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**MANUFACTURING INDUSTRIES
OF CANADA, 1947**



DOMINION BUREAU OF STATISTICS
DEPARTMENT OF TRADE AND COMMERCE, OTTAWA,
CANADA

UNIVERSITY OF TORONTO
DEPT. OF POLITICAL SCIENCE



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CANADA

DOMINION BUREAU OF STATISTICS
INDUSTRY AND MERCHANDISING DIVISION
GENERAL MANUFACTURES SECTION

The Manufacturing Industries of Canada, 1947

Published by Authority of the Rt. Hon. C. D. Howe,
Minister of Trade and Commerce

*Reprinted from the
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with Added Supple-
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THE MANUFACTURING INDUSTRIES OF CANADA

1947

Introduction

This report deals with manufacturing industries in Canada in two Parts. Part I gives general analyses including: the historical development of manufacturing; detailed treatment of current production under various groupings and individual industries; and principal factors in manufacturing production such as capital, employment, salaries and wages, size of establishment, and power and fuel. Part II deals with the provincial and local distribution of manufacturing production.

With regard to the first section of Part I, dealing with historical development, it is impossible to give absolutely comparable statistics over a long period of years. From 1870 to 1915 statistics were collected only in connection with decennial or quinquennial censuses, and there was inevitably some variation in the information collected. The annual Census of Manufactures was instituted in 1917 and, while numerous changes have been made since then in the information collected and the treatment of the data, an effort has been made to carry all major revisions, in so far as possible, back to 1917, so that the figures for the period since then are on a reasonably comparable basis.

Canada now ranks among the important manufacturing countries of the world, and holds a dominant position in the export of many manufactured products. The forward movement in development has been the result of three great influences: first, the opening of the west at the beginning of the present century which greatly increased the demand for manufactured goods of all kinds, especially construction materials; secondly, the First World War which left a permanent imprint upon the variety and efficiency of Canadian plants; and thirdly, the Second World War with its insatiable demands for food and manufactured products of all kinds. More especially during the Second World War the situation created as a result of Canada's strategic position as a source of food and armaments had far-reaching effects on the magnitude and diversification of Canadian manufacturing production, with the result that Canada, with greatly increased skills and plant capacity, has now entered a new era in manufacturing development.

The manufacturing industries of Canada in 1947 established a new record in gross value of production with a total of \$10,081,026,580. This represents an increase of \$2,045,334,109 or 26 p.c. over the previous year, and \$1,007,334,061 or 11 p.c. over the previous high attained in 1944. In terms of the actual physical output, however, the record is not so impressive. The increase of 26 p.c. in the gross value of production is accounted for in large part by an increase of 19 p.c. in the wholesale prices of fully and partly manufactured products, and only for about 6 or 7 p.c. by the actual increase in the physical volume of production.

Manufacturing establishments in 1947 numbered 32,714. They furnished employment to 1,131,750 persons who received \$2,085,925,966 in salaries and wages and produced goods with a selling value at the factory of \$10,081,026,580 from materials costing \$5,534,280,019. The value added by manufacture amounted to \$4,292,055,802.

From the point of view of employment which more closely reflects changes in the physical volume of production than any other factor, the non-ferrous metal products group with an increase of 13 p.c. reported the greatest increase in production. The wood and paper products group came second with an increase of 11 p.c., followed by the miscellaneous industries group with 10 p.c., non-metallic mineral products 8 p.c., textiles 7 p.c., iron and its products 6 p.c., vegetable products 5 p.c., and chemicals and allied products 3 p.c. The animal products group reported a minor decline of 1 p.c.

Of the forty leading industries in 1947, thirty-five reported increases and only five reported decreases in number of persons employed. The electrical apparatus industry with an increase of 8,738 employees recorded the greatest gain in production. This was followed by sawmills with an increase of 6,073, furniture 5,564, pulp and paper 4,979, cotton yarn and cloth 3,427, machinery 2,917, non-ferrous metal smelting and refining 2,903, primary iron and steel 2,737, automobiles 2,190, agricultural implements 2,147, automobile supplies 2,139, men's factory clothing 1,995, planing mills 1,862, printing and publishing 1,643, synthetic textiles and silk 1,628, hosiery and knitted goods 1,570, etc. The following industries reported decreases in number of employees: hardware, tools and cutlery 934, leather boots and shoes 901, slaughtering and meat packing 810, tobacco, cigars and cigarettes 161, and railway rolling-stock 27.

Percentage changes in manufacturing production of each province between 1944 and 1947 were as follows:—

Province	1947 Compared with 1944			1947 Compared with 1946		
	Number of Employees	Salaries and Wages	Gross Value of Products	Number of Employees	Salaries and Wages	Gross Value of Products
Prince Edward Island.....	+ 6.7	+14.3	+18.1	+ 8.6	+17.4	+13.0
Nova Scotia.....	-19.9	-23.1	- 0.1	+ 1.9	+ 7.1	+14.2
New Brunswick.....	+ 4.4	+22.4	+37.0	+ 6.4	+19.4	+22.0
Quebec.....	-10.5	- 0.8	+ 3.0	+ 6.2	+17.1	+20.8
Ontario.....	- 4.8	+ 6.5	+13.0	+ 7.9	+22.8	+30.6
Manitoba.....	- 3.8	+ 9.9	+ 8.7	+ 2.6	+13.0	+ 8.9
Saskatchewan.....	- 5.2	+11.1	+12.0	- 2.0	+ 9.5	+16.7
Alberta.....	+ 7.9	+24.1	+17.0	+ 5.7	+18.1	+15.2
British Columbia.....	-13.4	- 6.4	+30.9	+10.2	+21.7	+33.2
TOTALS.....	- 7.5	+ 2.8	+11.1	+ 7.0	+19.8	+25.5

PART I.—GENERAL ANALYSES OF MANUFACTURING

Section 1.—Growth of Manufacturing

Subsection 1.—Production of Manufactured Products

This Section gives a picture of the growth of manufacturing, in general, as shown by comparable principal statistics, i.e., establishments, capital, employees, salaries and wages paid, cost of materials and values of products. Other useful comparisons are made in Table 4 and figures of consumption are given in Table 5.

1.—Summary Statistics of Manufactures, 1917-47

NOTE.—Statistics of manufacturing from 1870 have been published, but between that year and 1917 they are not on a comparable basis to the series given below. They will be found in Table 1 in the 1942 editions of this report. Statistics of the non-ferrous metal smelting industries were included in manufactures for the first time in 1925.

Year	Estab- lish- ments	Capital	Em- ployees	Salaries and Wages	Cost of Materials	Net Value of Products ¹	Gross Value of Products
	No.	\$	No.	\$	\$	\$	\$
1917.....	21,845	2,333,991,229	606,523	497,801,844	1,539,678,811	1,281,131,980	2,820,810,791
1918.....	21,777	2,518,197,329	602,179	567,991,171	1,827,631,548	1,399,794,849	3,227,426,397
1919.....	22,083	2,670,559,435	594,066	601,715,668	1,779,056,765	1,442,400,638	3,221,457,403
1920.....	22,532	2,923,667,011	598,893	717,493,876	2,085,271,649	1,621,273,348	3,706,544,997
1921.....	20,848	2,697,855,073	483,555	497,399,761	1,365,292,885	1,123,694,263	2,488,987,148
1922.....	21,016	2,667,493,290	456,256	489,397,230	1,272,651,585	1,103,266,106	2,375,917,691
1923.....	21,080	2,788,051,630	506,203	549,529,631	1,456,595,367	1,206,332,107	2,662,927,474
1924.....	20,709	2,895,317,508	487,610	534,467,675	1,422,573,946	1,075,458,459	2,570,561,931
1925 ²	20,981	3,065,730,916	522,924	569,944,442	1,571,788,252	1,167,936,726	2,816,864,958
1926 ²	21,301	3,209,071,197	559,161	625,682,242	1,712,519,991	1,305,168,549	3,100,604,637
1927 ²	21,501	3,454,825,529	595,052	662,705,332	1,741,128,711	1,427,649,292	3,257,214,876
1928 ²	21,973	3,804,622,566	631,429	721,471,631	1,894,027,188	1,597,887,676	3,582,345,302
1929 ²	22,216	4,004,892,009	666,531	777,291,217	2,029,670,813	1,755,386,937	3,883,446,116
1930 ²	22,618	4,041,030,475	614,696	697,555,378	1,664,787,763	1,522,737,125	3,280,236,603
1931.....	23,083	3,705,701,893	528,640	587,566,990	1,221,911,982	1,252,017,248	2,555,126,448
1932.....	23,102	3,380,475,509	468,833	473,601,716	954,381,097	955,960,724	1,980,471,543
1933.....	23,780	3,279,259,838	468,656	436,247,824	967,788,928	919,671,181	1,954,075,785
1934.....	24,209	3,249,348,864	519,812	503,851,055	1,229,513,621	1,087,301,742	2,393,692,729
1935.....	24,034	3,216,403,127	556,664	559,467,777	1,419,146,217	1,153,485,104	2,653,911,209
1936.....	24,202	3,271,263,531	594,359	612,071,434	1,624,213,996	1,289,592,672	3,002,403,814
1937.....	24,834	3,465,227,831	660,451	721,727,037	2,006,926,787	1,508,924,867	3,625,459,500
1938.....	25,200	3,435,683,018	642,016	705,668,581	1,807,478,028	1,428,286,778	3,337,681,366
1939.....	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	1,531,051,901	3,474,783,528
1940.....	25,513	4,095,716,836	762,244	920,872,865	2,449,721,903	1,942,471,238	4,529,173,316
1941.....	26,293	4,905,503,966	961,178	1,264,862,643	3,296,547,019	2,605,119,788	6,076,308,124
1942.....	27,862	5,488,785,545	1,152,091	1,682,804,842	4,037,102,725	3,309,973,758	7,553,794,972
1943.....	27,652	6,317,166,727	1,241,068	1,957,292,384	4,690,493,083	3,816,413,541	8,732,860,999
1944.....	28,483	8	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1945.....	29,050	8	1,119,372	1,845,773,449	4,473,668,847	3,564,315,899	8,250,368,866
1946.....	31,249	8	1,058,156	1,740,687,254	4,358,234,766	3,467,004,980	8,035,692,471
1947.....	32,734	8	1,131,750	2,085,925,966	5,534,280,019	4,292,055,802	10,081,026,580

¹ For 1924 and subsequent years the net value of production is computed by subtracting the cost of fuel and electricity and the cost of materials from the gross value. Figures prior to 1924 are not comparable because statistics for cost of electricity are not available. ² A change in the method of computing the number of wage-earners in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. In 1931, however, the method in force prior to 1925 was re-adopted.

² Not collected.

2.—Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-47

Province and Year	Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Net Value of Products ¹	Gross Value of Products
							\$
Prince Edward Island—							
1917	411	2,008,082	1,556	663,251	3,087,621	1,750,135	4,837,756
1920	370	2,328,686	1,287	855,210	4,184,223	2,135,857	6,300,080
1929 ²	263	2,646,354	2,074	727,286	2,862,725	1,466,446	4,408,608
1933	249	2,256,307	991	529,684	1,590,834	1,126,826	2,775,787
1937	240	2,637,472	1,062	607,547	2,386,091	1,117,298	3,566,991
1939	222	2,682,900	1,088	617,945	2,239,117	1,243,079	3,543,681
1941	213	3,106,369	1,105	680,883	3,229,433	1,347,990	4,649,476
1942	243	3,367,368	1,261	842,061	4,789,315	1,973,540	6,855,344
1943	230	3,881,832	1,552	1,298,112	6,432,079	3,021,848	9,577,446
1944	241	3	1,786	1,694,763	6,998,510	3,570,835	10,713,64
1945	234	3	1,851	1,679,212	8,242,949	3,178,434	11,592,75
1946	246	3	1,755	1,651,469	7,582,046	3,469,435	11,200,310
1947	260	3	1,906	1,938,467	8,610,332	3,849,353	12,653,451
Nova Scotia—							
1917	1,337	124,357,851	25,252	18,838,051	102,415,215	57,565,703	159,980,918
1920	1,345	135,679,193	23,425	25,625,089	85,724,785	61,371,243	147,096,028
1929 ²	1,094	118,951,395	19,986	16,905,885	50,725,562	35,676,421	89,787,548
1933	1,277	92,004,624	12,211	9,604,680	25,354,319	19,988,257	47,912,432
1937	1,135	94,756,601	18,088	16,727,338	46,964,053	33,146,796	84,393,656
1940	1,083	101,954,082	17,627	16,651,685	43,332,195	35,885,563	83,139,572
1941	1,177	124,409,791	24,577	27,527,339	76,779,821	51,318,369	133,873,428
1942	1,332	152,668,789	31,318	41,273,942	85,193,680	63,615,890	155,931,264
1943	1,278	179,363,703	37,445	55,205,712	96,551,817	84,909,686	188,463,088
1944	1,281	3	37,812	59,940,411	103,463,123	93,376,638	204,421,664
1945	1,297	3	33,423	51,703,245	107,860,539	84,358,189	199,775,177
1946	1,397	3	29,724	43,060,259	100,354,480	71,738,873	178,793,420
1947	1,480	3	30,285	46,113,036	111,354,221	84,935,517	204,219,433
New Brunswick—							
1917	943	60,300,907	19,710	12,893,014	32,380,621	27,027,725	59,408,346
1920	901	101,216,395	19,007	19,266,821	60,812,641	45,803,164	106,615,805
1929 ²	803	93,376,948	17,952	15,127,716	39,800,366	26,640,786	68,145,012
1933	747	90,148,317	11,336	9,308,100	20,442,421	18,166,713	41,345,622
1937	805	89,797,597	15,612	14,563,310	36,983,284	28,770,727	69,479,207
1939	803	91,171,323	14,501	13,659,162	35,617,614	27,041,195	66,058,151
1941	791	97,952,799	19,600	21,718,407	59,234,107	47,296,960	111,433,726
1942	867	105,056,835	22,182	26,546,806	64,891,227	53,920,454	123,839,475
1943	862	111,287,910	23,225	30,451,181	76,711,513	58,956,676	140,934,879
1944	937	3	23,164	32,345,080	83,993,599	62,258,475	152,106,577
1945	889	3	22,503	32,408,048	87,235,347	63,380,075	156,623,378
1946	993	3	22,732	33,151,919	96,389,299	67,783,377	170,753,741
1947	1,061	3	24,181	39,553,393	116,491,443	83,487,954	208,366,438
Quebec—							
1917	7,032	662,012,975	188,043	141,008,616	385,212,984	380,882,409	766,095,393
1920	7,530	878,859,638	183,748	202,516,550	553,558,520	499,648,217	1,053,201,737
1929 ²	6,948	1,246,208,650	206,580	225,226,808	537,270,055	576,796,395	1,108,592,775
1933	7,856	1,035,339,591	157,481	134,696,386	292,560,568	288,504,782	604,496,078
1937	8,518	1,117,772,721	219,033	216,971,207	562,889,160	445,885,666	1,046,470,796
1939	8,373	1,182,538,441	220,321	223,757,767	536,823,039	470,385,279	1,045,757,585
1941	8,711	1,700,527,405	327,591	393,819,671	961,162,209	815,086,832	1,841,088,523
1942	9,342	1,883,353,668	399,017	536,329,170	1,193,445,432	1,059,873,943	2,333,303,012
1943	9,372	2,230,620,386	437,247	658,323,620	1,483,627,797	1,280,097,615	2,852,191,853
1944	9,656	3	424,115	668,156,053	1,494,253,053	1,350,519,134	2,929,685,183
1945	10,038	3	384,031	607,473,443	1,307,534,193	1,149,390,919	2,531,903,830
1946	10,818	3	357,276	565,986,105	1,297,009,099	1,125,991,848	2,497,971,521
1947	11,223	3	379,449	662,837,614	1,601,055,840	1,324,397,690	3,017,049,422
Ontario—							
1917	9,061	1,157,850,643	299,389	258,393,065	794,556,502	662,174,261	1,456,730,763
1920	9,113	1,464,097,346	295,674	362,941,317	1,071,843,374	792,267,562	1,864,110,936
1929 ²	9,348	1,958,736,556	328,533	406,622,627	1,056,530,202	916,971,816	2,020,492,433
1933	9,542	1,587,947,947	224,816	220,530,085	464,544,563	465,103,842	958,776,858
1937	9,796	1,674,806,201	321,743	373,018,045	1,025,871,741	804,703,114	1,880,388,188
1939	9,824	1,762,571,669	318,871	378,376,205	907,011,461	791,428,569	1,745,674,707
1941	10,250	2,336,788,884	465,230	660,722,275	1,683,912,216	1,360,055,756	3,121,756,568
1942	10,711	2,632,519,471	542,958	540,783,705	2,056,746,983	1,671,130,314	3,817,396,404
1943	10,587	2,994,953,988	570,017	956,399,212	2,278,871,511	1,844,651,587	4,221,101,063
1944	10,731	3	564,392	975,038,060	2,310,347,858	1,930,043,913	4,339,797,784
1945	10,869	3	518,056	882,483,382	2,148,290,603	1,720,938,199	3,965,069,021
1946	11,424	3	498,120	845,216,547	2,001,900,592	1,659,284,622	3,754,523,701
1947	11,860	3	537,581	1,037,976,714	2,651,697,573	2,136,014,184	4,903,472,526

¹ See footnote 1, Table 1.² See footnote 2, Table 1.³ Not collected.

2.—Summary Statistics of Manufactures, by Provinces, Significant Years, 1917-17
—concluded

Province and Year	Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Net Value of Products ¹	Gross Value of Products
							\$
Manitoba—							
1917.....	732	82,566,858	18,939	16,513,423	69,715,149	42,280,801	111,995,950
1920.....	747	94,424,145	23,728	32,372,081	92,729,271	62,776,912	155,506,183
1929 ²	861	121,363,898	24,012	31,224,596	87,832,324	63,925,015	155,266,294
1933.....	1,010	100,074,404	18,871	18,687,430	44,579,998	37,390,275	83,934,777
1937.....	1,043	119,638,026	23,706	27,198,978	87,684,514	49,950,465	140,805,451
1939.....	1,087	119,659,365	23,910	28,444,798	82,408,293	48,810,544	134,293,595
1941.....	1,184	163,489,471	32,262	40,894,267	132,330,823	74,450,721	211,534,751
1942.....	1,287	175,902,477	37,519	51,605,139	159,248,309	94,856,679	259,554,350
1943.....	1,245	173,752,507	37,003	53,841,825	200,464,756	99,146,670	304,867,912
1944.....	1,290	4	40,937	62,758,081	226,234,925	120,339,926	352,334,594
1945.....	1,302	4	38,367	59,814,109	216,114,576	117,775,126	339,821,283
1946.....	1,357	4	38,367	61,018,345	223,096,935	122,780,805	351,887,099
1947.....	1,413	4	39,378	68,972,653	236,936,343	139,373,521	383,130,281
Saskatchewan—							
1917.....	560	24,372,585	6,230	5,403,332	22,040,674	13,894,179	35,934,853
1920.....	554	24,640,520	6,709	9,571,175	34,894,105	22,610,861	57,504,966
1929 ²	594	43,925,797	7,025	9,105,597	51,003,566	23,002,952	75,368,605
1933.....	673	38,688,433	4,782	4,848,763	19,124,030	11,478,634	31,559,387
1937.....	689	39,279,050	6,107	6,758,154	43,782,999	17,068,655	62,205,884
1939.....	737	37,654,095	6,475	7,346,127	38,782,135	20,283,273	60,650,589
1941.....	945	42,158,738	8,546	9,979,974	65,836,308	28,172,441	96,020,975
1942.....	966	45,013,677	9,801	12,543,065	84,208,201	33,933,836	120,256,733
1943.....	976	60,674,093	11,683	16,445,866	111,193,185	37,895,459	152,123,360
1944.....	1,054	4	12,361	17,703,103	131,215,017	40,833,333	175,349,234
1945.....	926	4	11,617	16,905,606	126,279,202	38,275,127	167,688,133
1946.....	955	4	11,957	17,936,317	126,595,761	38,459,630	168,356,619
1947.....	1,001	4	11,723	19,661,970	151,449,021	41,480,520	196,452,199
Alberta—							
1917.....	636	49,146,241	9,461	8,662,417	42,632,212	23,883,673	66,515,885
1920.....	666	48,310,655	10,955	15,210,628	56,139,646	29,812,891	85,952,537
1929 ²	736	81,875,952	12,216	14,585,734	62,500,175	36,824,969	100,966,196
1933.....	874	69,604,563	9,753	9,573,468	29,425,975	18,876,929	49,393,514
1937.....	895	70,804,070	12,524	13,903,062	55,899,599	28,923,095	86,225,069
1939.....	961	73,284,225	12,712	14,977,700	53,151,149	32,618,153	87,474,080
1941.....	1,108	95,676,318	16,761	20,151,705	94,176,887	45,958,219	142,651,493
1942.....	1,115	101,401,133	18,397	23,992,613	117,617,500	57,479,536	175,103,011
1943.....	1,133	111,682,419	20,613	29,494,369	142,057,051	65,796,211	211,159,142
1944.....	1,165	4	22,186	33,227,729	172,082,537	77,415,753	252,949,894
1945.....	1,157	4	21,486	32,760,326	166,198,136	78,547,626	248,287,504
1946.....	1,315	4	22,649	34,939,088	169,425,176	83,735,011	257,031,867
1947.....	1,382	4	23,941	41,246,171	202,324,036	89,289,825	296,054,129
British Columbia—							
1917 ³	1,133	171,375,087	37,943	35,426,675	87,637,833	71,673,094	159,310,927
1920 ³	1,306	174,110,438	34,360	49,135,005	125,405,084	104,851,641	230,250,725
1929 ^{2,3}	1,569	311,806,456	45,183	57,764,968	141,145,838	113,082,137	260,418,645
1933 ³	1,552	263,195,652	28,417	28,469,225	70,166,220	59,034,923	133,879,330
1937 ³	1,713	256,011,093	42,576	51,979,393	144,466,346	99,359,051	251,924,258
1939.....	1,710	274,369,502	42,554	53,881,994	136,655,872	103,263,292	247,945,600
1941.....	1,905	340,609,179	62,447	89,256,478	219,755,738	181,232,637	412,957,807
1942.....	1,990	388,649,300	89,570	148,782,063	270,823,072	272,926,065	558,137,606
1943.....	1,961	450,360,048	102,221	185,711,773	294,445,005	341,699,478	632,046,313
1944.....	2,116	4	96,062	178,639,118	303,560,016	337,137,197	655,844,689
1945.....	2,326	4	87,974	160,419,133	305,759,836	307,954,519	628,903,124
1946.....	2,731	4	75,484	137,506,645	335,708,533	293,352,652	644,527,898
1947.....	3,040	4	83,161	167,282,667	453,670,677	388,702,178	858,284,592
Yukon and N.W.T.—							
1939.....	5	538,847	55	97,766	138,500	92,054	242,968
1941.....	9	785,012	59	111,641	129,477	199,863	341,377
1942.....	9	852,827	68	106,278	139,006	263,471	417,773
1943.....	8	589,841	62	120,714	138,369	237,709	395,943
1944.....	12	4	67	118,972	189,718	280,803	489,256
1945.....	12	4	64	126,940	153,466	517,685	704,663
1946.....	13	4	92	200,560	172,845	408,727	646,295
1947.....	14	4	145	313,281	690,533	525,030	1,344,109

¹ See footnote 1, Table 1.² See footnote 2, Table 1.³ Includes Yukon.

4 Not collected.

3.—Summary Statistics of Manufactures, by Industrial Groups, Significant Years, 1917-47

Industrial Group and Year	Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Net Value of Products ¹	Gross Value of Products
No.	\$	No.	\$	\$	\$	\$	\$
Vegetable Products—							
1917.....	4,151	279,627,827	62,777	45,915,557	367,214,061	183,782,501	550,996,562
1920.....	4,549	402,383,047	74,241	77,750,189	536,828,044	239,328,371	776,156,415
1929 ²	5,350	581,820,861	91,032	95,853,121	431,595,751	341,688,938	838,706,883
1933.....	5,916	522,389,736	75,416	68,535,349	226,879,373	196,820,952	432,315,617
1937.....	5,968	539,531,357	94,258	94,632,901	395,491,147	266,869,603	672,540,163
1939.....	5,872	539,446,225	99,447	104,248,785	356,726,153	292,129,840	659,624,014
1941.....	5,948	634,728,760	113,753	131,066,093	532,876,217	349,912,287	897,978,448
1942.....	5,985	656,756,413	115,476	145,000,211	552,791,525	396,956,313	855,896,035
1943.....	5,913	684,292,303	117,243	157,733,379	635,042,582	410,340,183	1,062,561,932
1944.....	5,941	3	130,679	183,943,948	763,606,750	485,551,491	1,270,518,297
1945.....	5,862	3	135,311	196,010,688	802,367,469	529,112,219	1,352,986,147
1946.....	5,916	3	137,170	206,893,681	871,436,061	575,963,454	1,649,914,130
1947.....	6,032	3	144,290	241,154,208	1,102,727,365	654,939,477	1,782,339,081
Animal Products—							
1917.....	5,486	207,165,245	46,994	35,753,133	320,302,039	124,103,990	444,406,029
1920.....	4,823	221,792,457	48,687	54,291,606	400,496,354	152,995,130	535,491,484
1929 ²	4,490	243,825,066	67,670	62,081,423	345,351,882	127,929,857	477,761,855
1933.....	4,496	201,993,642	53,111	46,453,188	179,429,948	87,629,444	271,068,210
1937.....	4,435	230,312,165	67,996	64,816,361	326,537,087	118,117,971	449,783,908
1939.....	4,362	250,335,831	69,358	68,231,871	333,647,306	122,821,410	461,983,262
1941.....	4,246	303,657,372	82,131	90,185,037	534,909,242	165,416,939	708,220,447
1942.....	4,392	322,045,016	87,038	103,620,997	649,160,318	203,152,956	861,190,126
1943.....	4,386	324,811,863	88,037	114,467,581	750,435,541	211,149,715	917,190,128
1944.....	4,385	3	94,195	129,215,388	835,586,247	246,064,720	1,092,015,647
1945.....	4,470	3	98,267	138,405,263	839,885,434	261,069,677	1,111,929,735
1946.....	4,525	3	102,844	151,517,837	849,242,804	271,279,430	1,132,233,759
1947.....	4,451	3	102,106	166,221,365	929,179,962	316,673,669	1,259,170,471
Textiles and Textile Products—							
1917.....	1,067	191,338,745	76,978	47,764,436	131,225,032	109,904,530	241,129,562
1920.....	1,304	302,758,185	87,730	84,433,606	256,233,300	173,741,035	429,974,335
1929 ²	1,534	360,762,584	103,881	94,699,433	217,954,088	180,469,064	403,205,809
1933.....	1,740	298,730,436	95,707	72,813,424	143,184,861	131,065,992	279,475,267
1937.....	1,941	322,204,180	121,677	105,056,051	219,813,775	174,076,945	400,383,726
1939.....	1,936	347,248,927	121,022	107,117,035	203,618,197	181,927,888	392,657,759
1941.....	2,104	439,078,775	156,892	159,339,028	367,149,392	290,105,448	666,438,539
1942.....	2,396	464,161,573	165,478	175,731,313	441,718,052	341,475,081	739,304,750
1943.....	2,384	455,056,029	157,987	191,305,628	446,136,675	334,242,717	790,659,927
1944.....	2,481	3	153,122	195,805,681	419,988,642	351,186,488	781,771,688
1945.....	2,740	3	158,148	207,629,471	429,208,436	367,980,705	807,722,241
1946.....	3,082	3	164,737	228,015,323	459,664,221	418,263,665	888,565,943
1947.....	3,216	3	176,065	268,104,889	560,634,708	488,983,044	1,062,041,265
Wood and Paper Products—							
1917.....	7,263	536,320,247	152,277	113,359,997	148,277,935	245,372,487	393,650,422
1920.....	7,881	774,973,232	144,391	172,368,575	309,813,724	417,256,115	727,069,839
1929 ²	7,392	1,151,493,962	146,572	192,088,948	313,797,201	381,485,477	724,972,308
1933.....	7,891	892,652,622	105,080	102,218,652	134,663,641	184,233,540	341,336,701
1937.....	8,497	927,070,757	147,254	165,298,485	256,269,941	306,961,553	597,061,878
1939.....	8,538	960,804,672	144,782	162,287,456	246,229,820	303,662,441	579,892,183
1941.....	9,420	1,086,022,546	179,967	227,821,739	386,999,813	463,967,834	892,936,114
1942.....	10,222	1,080,457,129	186,106	252,179,776	428,526,286	488,433,355	961,942,906
1943.....	9,974	1,103,984,216	183,865	264,844,792	447,399,954	508,835,982	1,001,563,243
1944.....	10,452	3	189,674	284,436,559	497,656,158	550,826,986	1,093,725,822
1945.....	10,653	3	199,373	306,179,416	551,143,890	586,057,023	1,184,650,720
1946.....	11,994	3	224,121	366,049,562	679,343,485	749,055,011	1,484,436,122
1947.....	12,985	3	248,450	460,371,358	895,117,041	991,750,398	1,954,298,347
Iron and Its Products—							
1917.....	1,495	695,677,552	161,745	161,875,424	378,193,116	371,792,489	749,985,605
1920.....	1,789	726,371,335	164,087	231,595,911	377,499,134	411,875,057	789,374,191
1929 ²	1,224	826,063,942	142,772	203,740,655	405,515,468	367,465,582	790,726,338
1933.....	1,334	614,632,403	73,348	72,296,179	98,793,191	109,198,169	216,828,992
1937.....	1,345	651,398,528	127,148	163,261,130	328,091,063	280,165,582	624,819,877
1939.....	1,394	697,893,720	121,041	158,559,728	262,292,781	275,774,794	553,468,880
1941.....	1,759	1,138,701,669	253,701	405,064,135	715,595,952	735,511,841	1,483,169,765
1942.....	1,931	1,446,215,017	360,545	639,330,901	985,960,237	1,084,424,334	2,112,822,237
1943.....	2,044	1,852,506,052	435,744	833,333,634	1,131,858,008	1,396,768,112	2,575,976,547
1944.....	2,162	3	411,944	818,452,454	1,104,083,922	1,390,703,057	2,540,992,974
1945.....	2,188	3	321,719	637,335,990	887,425,621	1,046,097,484	1,975,310,083
1946.....	2,358	3	249,279	475,512,983	635,344,199	735,459,371	1,405,542,865
1947.....	2,4691	3	263,482	559,968,501	871,965,295	939,220,774	1,854,915,562

¹ See footnote 1, Table 1.² See footnote 2, Table 1.³ Not collected.

3.—Summary Statistics of Manufacturers, by Industrial Groups, Significant Years, 1917-47—concluded

Industrial Group and Year	Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Net Value of Products ¹	Gross Value of Products
							\$
Non-ferrous Metal Products—							
1917.....	296	69,421,911	18,220	15,898,890	46,445,469	41,039,351	87,484,820
1920.....	324	109,382,033	23,162	27,895,343	48,434,120	52,847,178	101,281,298
1929 ²	408	298,721,106	39,867	54,501,806	124,900,632	150,415,215	283,545,666
1933.....	478	266,266,443	25,273	28,099,026	71,990,608	88,427,984	164,765,604
1937.....	526	306,522,643	44,614	57,722,728	282,532,125	182,968,223	482,440,562
1939.....	526	346,489,890	44,563	59,684,858	242,063,177	155,808,806	416,060,459
1941.....	579	545,862,427	73,450	108,895,000	406,132,161	288,823,325	726,348,447
1942.....	596	612,513,064	90,937	146,699,336	505,122,844	355,005,405	901,569,437
1943.....	597	674,802,402	109,522	186,874,396	615,233,895	369,005,912	1,034,390,379
1944.....	635	z	104,314	182,909,292	549,317,062	399,498,519	992,345,975
1945.....	683	z	88,350	158,358,737	429,913,071	316,572,975	779,384,900
1946.....	740	z	84,852	150,366,178	413,022,247	278,461,262	719,191,106
1947.....	799	z	96,080	194,937,584	596,648,463	402,021,896	1,034,580,717
Non-metallic Mineral Products—							
1917.....	1,075	145,423,082	20,795	18,224,724	36,994,392	58,092,396	95,086,788
1920.....	846	215,281,921	25,500	32,351,764	69,556,558	80,205,472	150,062,030
1929 ²	843	316,692,818	29,257	38,958,390	112,573,103	99,065,547	229,774,300
1933.....	770	295,139,543	16,975	19,282,401	69,077,701	52,817,078	131,325,706
1937.....	823	287,473,542	23,837	30,389,958	115,938,578	77,667,225	208,205,148
1939.....	809	290,865,285	23,026	30,067,934	107,979,292	85,511,631	208,166,781
1941.....	773	325,032,038	28,829	42,376,214	183,140,990	117,425,887	321,289,898
1942.....	782	329,401,312	30,707	48,702,880	191,143,787	141,216,996	358,075,414
1943.....	747	351,164,254	30,994	53,282,340	215,139,225	146,460,170	388,713,942
1944.....	748	z	31,590	56,130,338	234,714,319	152,525,053	416,268,879
1945.....	789	z	32,525	57,193,679	231,341,920	145,197,043	405,736,477
1946.....	910	z	36,493	63,848,640	240,485,869	173,638,196	464,484,682
1947.....	943	z	39,212	79,146,075	323,687,397	199,351,736	563,119,918
Chemicals and Allied Products—							
1917.....	539	175,836,690	56,153	51,505,484	99,068,092	131,381,995	230,450,087
1920.....	464	122,123,730	17,653	22,193,421	62,644,608	65,183,212	127,827,820
1929 ²	554	165,886,912	16,694	22,639,440	55,184,337	78,785,911	138,545,221
1933.....	696	153,900,930	15,397	18,758,629	34,271,854	55,394,284	92,820,761
1937.....	754	161,165,065	21,968	28,612,719	64,460,947	79,290,240	148,973,220
1939.....	808	172,459,365	22,595	31,567,555	65,230,839	89,046,832	159,536,954
1941.....	849	358,429,529	54,014	75,634,741	134,924,947	157,304,350	304,400,569
1942.....	925	471,679,779	93,030	134,345,942	233,386,894	252,390,766	501,656,123
1943.....	945	759,864,951	92,288	146,677,194	368,111,343	379,453,873	765,217,887
1944.....	981	z	81,822	137,422,977	360,412,749	355,260,595	733,569,232
1945.....	973	z	60,723	106,017,985	212,197,636	249,701,603	478,532,689
1946.....	1,017	z	37,278	66,538,532	159,308,350	203,639,442	376,288,264
1947.....	1,031	z	38,491	77,479,719	205,541,145	228,786,192	449,959,792
Miscellaneous Industries—							
1917.....	473	33,179,930	10,554	7,504,199	11,958,675	15,662,241	27,620,916
1920.....	552	48,637,071	13,442	14,613,455	23,465,807	27,841,778	51,307,555
1929 ²	421	59,654,759	10,786	12,457,989	22,495,351	28,081,046	51,207,736
1933.....	459	33,554,083	8,351	7,810,976	9,497,751	14,083,738	24,138,927
1937.....	545	39,549,593	11,699	11,936,704	17,792,121	22,807,435	41,251,081
1939.....	566	41,480,534	12,280	13,045,929	18,308,810	24,368,247	43,393,206
1941.....	621	73,990,849	18,441	21,480,656	34,818,275	36,651,877	72,525,897
1942.....	657	105,556,242	22,474	27,202,456	49,202,782	46,918,549	97,437,944
1943.....	668	110,684,657	25,388	38,723,390	81,085,860	60,156,877	142,587,014
1944.....	665	z	25,542	41,304,732	66,967,507	84,159,068	152,484,005
1945.....	692	z	24,956	38,642,220	90,185,370	62,527,170	154,115,874
1946.....	704	z	21,381	31,641,518	50,387,530	61,245,149	112,942,600
1947.....	802	z	23,574	38,542,267	48,778,643	70,328,616	120,601,427

¹ See footnote 1, Table 1.² See footnote 2, Table 1.³ Not collected.

4.—Significant Statistics of Manufactures, for certain Years, 1917-47

Item	1917	1920	1929	1933	1939	1944	1946	1947
Establishments	No.	21,845	22,532	22,216	23,780	24,805	31,249	32,734
Capital.....	\$	2,333,991,229	2,923,667,011	4,004,892,009	3,270,259,838	3,647,024,449	2	2
Averages, per establishment.....	\$	106,843	129,756	180,271	137,900	147,028	-	-
Averages, per employee.....	\$	3,848	4,582	6,009	5,542	6,838	-	-
Averages, per wage-earner.....	\$	4,300	5,616	6,933	5,854	6,838	-	-
Totals, employees.....	No.	606,523	508,583	666,531	468,658	635,114	1,222,882	1,131,750
Totals, salaries and wages.....	\$	497,801,844	717,433,876	777,291,217	436,247,824	737,811,153	2,029,621,370	1,740,687,254
Averages, per establishment.....	\$	22,785	31,843	34,958	18,345	29,744	55,703	34,6
Averages, per employee.....	\$	821	1,198	1,166	931	1,121	1,164	63,724
Employees, per salaries.....	No.	64,918	78,334	88,511	86,635	124,772	181,006	181,006
Averages, per establishment.....	\$	3,400	3,5	4,0	3,6	5,0	6,8	5,8
Salaries.....	\$	85,353,667	141,887,361	175,553,710	131,317,946	217,839,334	418,065,594	410,875,776
Averages, per salaried employee.....	\$	1,315	1,811	1,976	1,638	1,746	2,171	2,270
Employees on wages.....	No.	541,605	520,550	577,690	382,022	533,342	1,030,324	877,150
Averages, per establishment.....	\$	24,8	24,8	24,8	24,8	24,8	24,8	24,8
Wages.....	\$	412,448,177	575,636,515	691,737,507	296,929,875	519,571,819	1,611,553,776	1,329,811,478
Averages, per wage-earner.....	\$	72	106	104	87	97	1,564	1,611,232,166
Cost of materials.....	\$	2,085,26,640	2,029,670,843	967,788,928	1,836,159,375	4,882,333,356	4,338,234,706	5,534,280,019
Averages, per establishment.....	\$	72,547	92,547	91,361	40,618	74,024	160,657	169,019
Averages, per employee.....	\$	2,539	3,482	3,045	2,065	2,700	3,932	4,408
Values added in manufacture.....	\$	1,281,131,980	1,621,273,348	1,755,386,937	919,671,181	1,531,051,901	4,015,776,010	4,467,004,950
Averages, per establishment.....	\$	58,646	71,954	79,015	38,674	61,724	140,959	4,292,055,802
Averages, per employee.....	\$	2,112	2,707	2,634	1,962	2,325	3,284	131,119
Gross value of products.....	\$	2,820,810,791	3,706,544,997	3,883,446,116	1,934,075,755	3,474,783,528	9,073,692,519	3,276
Averages, per establishment.....	\$	129,128	164,501	174,894	82,173	140,084	318,565	3,792
Averages, per employee.....	\$	4,651	6,189	5,286	4,170	5,280	7,420	10,081,026,580
Power employed.....	h.p.	1,658,475	2,068,875	3,855,648	4,135,008	5,045,287	6,468,439	7,504
Averages, per establishment.....	\$	76	92	174	203	227	6,783,949	8,907
Averages, per wage-earner.....	\$	3,06	3,97	6,67	10,82	9,46	217	226
							7,73	7,87

¹ A change in the method of computing the number of wage-earners in the years 1925 to 1930, inclusive, increased the number somewhat over that which the method otherwise used would have given. There was, therefore, a proportionate reduction in the averages for 1925-30 per employee and wage-earner, as compared with what these averages would have been under the other method. In 1931, however, the method in force prior to 1925 was re-adopted. The figures for 1931 and later years are, therefore, comparable with those for 1924 and earlier years.

² Not collected.

³ Net values of products; see footnote 1, Table I.

The figures in Table 4 trace the tendencies in Canadian manufacturing industries as clearly as possible through the past 30 years of development. In analysing statistics of production and materials used, price changes should be borne in mind particularly the inflation of values from 1914 through the immediate post-war period, the drop in prices of commodities during the depressions following 1921 and 1930, and the increase again in the recent war and post-war period. The figure that shows most clearly the trend of development is concerned with the use of power. The total horse-power employed increased from 1,658,475 in 1917 to 9,399,169 in 1947, an increase of about 346 p.c. in 30 years. In the same period, horse-power per wage-earner showed an interrupted trend from 3.06 to 10.82 in 1933 and 9.46 in 1939. With the large increase in the number of wage-earners on war production, and the more efficient utilization of the equipment available, the horse-power per wage-earner dropped to 6.28 in 1944; the increasing installation of power machinery and the decline in employment after the War resulted in a rise to 7.87 in 1947. The significant feature is the increase in both the absolute figures of power employed and the averages per wage-earner during the depression years as compared with 1929, although the large numbers of persons again finding employment since 1933 reduced the averages for the years 1934 to 1937 and again for 1940 to 1945. Other interesting comparisons are the trend of value added by manufacture, per employee, and of average salaries and wages paid since 1929.

Subsection 2.—Consumption of Manufactured Products

One of the beneficial results of adopting the same classification for external trade and for production is exhibited in Table 5, where the value of commodities made available for consumption in Canada is derived from these statistics. For example, the value of all manufactured commodities made available in 1947 was \$9,884,536,356, a figure obtained by adding to the value of manufactured products the value of the imports of manufactured and partly manufactured goods and deducting the value of the exports. In this table more accurate statistics could be presented were it possible to exclude from the gross value of manufactured products the duplications involved when the products of one manufacturing establishment become the material worked upon in another. Iron, vegetable, textile, wood and paper, and animal were, in that order, the leading groups in the value of finished products made available for consumption in 1947. Vegetable, animal, wood and paper, and non-ferrous metal products were manufactured in Canada in greater quantities than required for home consumption, providing export balances in these groups.

On balance, Canada in the past imported large quantities of iron and steel, textile and non-metallic mineral products in spite of large home production. The expansion of the iron and steel, chemical and non-ferrous metals industries will enable Canada to meet more of her requirements for home consumption and to export greater quantities in the future.

5.—Consumption of Manufactured Products, 1928-1947 and by Industrial Groups, 1947

Year	Value of Products Manufactured	Manufactured and Partly Manufactured Goods ¹		Value of Manufactured Products Available for Consumption
		Value of Net Imports	Value of Domestic Exports	
1928.....	3,582,345,302	954,387,551	698,376,615	3,838,356,238
1929.....	3,883,446,116	939,130,201	686,876,071	4,135,700,246
1930.....	3,280,236,603	675,828,233	490,108,470	3,465,956,366
1931.....	2,555,126,448	423,519,349	347,456,198	2,631,190,099
1932.....	1,980,471,543	281,855,757	267,765,614	1,994,561,686
1933.....	1,954,075,785	298,068,344	365,232,113	1,886,912,016
1934.....	2,393,692,729	357,320,284	419,094,297	2,331,918,716
1935.....	2,653,911,209	385,597,041	582,041,141	2,457,467,109
1936.....	3,002,403,814	468,455,981	676,890,803	2,793,968,992
1937.....	3,625,459,500	566,876,483	781,099,407	3,411,236,576
1938.....	3,337,681,366	472,193,253	587,758,795	3,222,115,824
1939.....	3,474,783,528	542,364,930	646,853,938	3,370,204,520
1940.....	4,529,173,316	807,636,948	913,049,979	4,423,760,285
1941.....	6,076,308,124	1,123,994,913	1,292,855,603	5,907,447,434
1942.....	7,553,794,972	1,283,884,068	2,056,368,079	6,781,310,961
1943.....	8,732,860,999	1,305,838,746	2,444,862,298	7,583,887,447
1944.....	9,073,692,519	1,302,413,996	2,668,575,781	7,707,530,734
1945.....	8,250,368,866	1,117,544,874	2,352,441,796	7,015,471,944
1946.....	8,035,692,471	1,390,123,100	1,701,677,026	7,724,138,545
Industrial Group, 1947				
Vegetable products.....	1,782,339,081	193,210,450	294,134,292	1,681,415,239
Animal products.....	1,259,170,471	46,560,304	195,049,255	1,110,681,520
Textiles and textile products.....	1,062,041,265	298,313,432	48,216,682	1,312,138,015
Wood and paper products.....	1,954,298,347	86,193,729	834,679,921	1,205,812,155
Iron and its products.....	1,854,915,562	737,970,900	267,132,754	2,325,753,708
Non-ferrous metal products.....	1,034,580,717	138,116,713	268,573,270	904,124,160
Non-metallic mineral products.....	563,119,918	161,248,581	50,051,060	674,317,439
Chemicals and allied products.....	449,959,792	111,217,338	83,803,909	477,373,221
Miscellaneous industries.....	120,601,427	155,418,672	83,099,200	192,920,899
Totals, 1947.....	10,081,026,580	1,928,250,119	2,124,740,343	9,884,536,356

¹ Figures for the years 1928-38 are for the fiscal years ended Mar. 31 of the following years; for 1939-47 they are for the calendar year. Net imports are total imports less foreign products re-exported.

Section 2.—Value and Volume of Manufactured Products

Value of Manufactured Products.—In the interpretation of manufacturing values over a number of years, variations in the level of prices must be borne in mind, especially when such variations have been as great as those in the period since the annual Census of Manufactures was begun in 1917. The index number of wholesale prices in Canada, on the 1926 base, compiled by the Dominion Bureau of Statistics, stood at 114.3 in 1917, 155.9 in 1920, 97.3 in 1922, 95.6 in 1929, 67.1 in 1933, 84.6 in 1937, 75.4 in 1939 and 129.1 p.c. in 1947. Index numbers of the prices of fully or chiefly manufactured goods were: 113.5 in 1917, 156.5 in 1920, 100.4 in 1922, 93.0 in 1929, 70.2 in 1933, 80.5 in 1937, 75.3 in 1939 and 117.4 p.c. in 1947.

Volume of Manufacturing Production.—Since real income is ultimately measured in goods and services, the growth of the volume of manufacturing production, as distinguished from its value, becomes a matter of great significance. The important thing to know is whether consumers are getting more goods and services, not whether they are expending more dollars and cents.

The indexes of volume (Table 6) are based on quantities of manufactured products reported and the industry indexes are weighted according to the values added by manufacture. The indexes for the years 1923-31 are based on the values added in 1926. The weights and products used were changed in 1931, 1936 and then again in 1941. By thus changing the construction of the index every five years, current changes in production are reflected more accurately.

The physical volume of manufacturing production increased 50 p.c. from 1923 to 1929. When it is recalled that the population of Canada is estimated to have increased only 11 p.c. during the same period, the growth of manufacturing production is indeed remarkable. Of this advance, the part resulting from an increase in the domestic demand due to growth of population would therefore be about 11 p.c. Exports of partly and fully manufactured goods increased from \$591,830,000 in the fiscal year ended Mar. 31, 1924, to \$686,876,000 in the fiscal year 1929-30, the increase in exports representing about 3·6 p.c. of the 1923 production. The remainder of the increase in production by 1929, or a margin equal to roughly 35 p.c. of the volume of manufactures of 1923, was, therefore, apparently absorbed by increases in capital equipment and by the rise in the standard of living of the population of Canada.

A similar analysis of the volume of manufactures since 1929 in relation to population and exports shows that the decline in the depression preceding the Second World War was due chiefly to reduced exports and a cessation in production of capital equipment. As a result of expansion during the War, the physical volume of production in 1943, when production was at an all-time high, was 77 p.c. above 1939 and 85 p.c. above 1929. The chemical and allied products group, with an increase of 262 p.c., reported the greatest expansion in output since 1939. This was followed by the iron and its products group with an increase of 222 p.c., non-ferrous metal products 130 p.c., miscellaneous industries 68 p.c., non-metallic mineral products 56 p.c., animal products 40 p.c., textiles and textile products 34 p.c., vegetable products 25 p.c., and wood and paper products 21 p.c. There was also an increase in the volume of consumer goods. As was to be expected, the increase was not so great as that for the output of equipment and supplies needed by the Armed Forces. Drink and tobacco increased by 51 p.c., food 27 p.c. and clothing 25 p.c.

In 1946 the index of the physical volume of production at 150·3 represented a drop of 19·9 p.c. from the high mark attained in 1943. Chemicals and allied products had the sharpest decline of 65·2 p.c., followed by iron and its products with 44·7 p.c.; non-ferrous metal products 39·1 p.c.; miscellaneous industries 9·3 p.c.; and textiles and textile products 4·4 p.c. The wood and paper, vegetable, non-metallic mineral and animal products groups on the other hand reported an increase in the volume of production. The volume of consumer goods continued to rise with the books and stationery group reporting an increase of 28·3 p.c., followed by drink and tobacco with 26·3 p.c., personal utilities 25·4 p.c., house furnishings 15·8 p.c., food 11·9 p.c. and clothing 5·0 p.c. Industrial equipment and producers materials were both down with declines of 25·7 and 15·1 p.c. respectively. Vehicles and vessels had the greatest decline of 52·1 p.c.

The index for 1947 has not yet been compiled. This will be done as soon as the indexes for 1940 to 1946 have been revised in accordance with supplementary information now available.

6.—Indexes of the Volume of Manufacturing Production, According to Component Material and Purpose Classifications, 1923-46

(1935-39=100)

Note.—The indexes for 1940 to 1946 are being revised in the light of supplementary information now available.

Year	COMPONENT MATERIAL CLASSIFICATION GROUPS										
	Vegetable	Animal	Textiles	Wood and paper	Iron	Non-ferrous metal	Non-metallic mineral	Chemicals	Miscellaneous	All Industries	
1923	62.6	75.0	64.3	65.1	81.5	42.7	81.8	59.2	99.5	67.5	
1924	67.8	80.4	62.1	64.0	68.6	46.4	78.9	60.5	95.0	66.3	
1925	75.1	84.8	66.5	69.0	79.9	52.5	80.3	64.8	94.5	72.5	
1926	80.2	92.2	75.8	78.1	102.6	58.6	89.6	70.5	104.4	82.5	
1927	84.9	90.0	81.4	84.1	104.1	67.6	102.3	75.2	114.2	87.9	
1928	93.5	92.9	87.0	92.5	117.1	75.3	116.3	82.7	110.5	95.8	
1929	96.4	87.9	86.1	99.6	133.4	81.3	137.1	84.8	105.6	101.4	
1930	91.6	85.3	80.0	92.1	108.6	76.8	122.9	74.9	87.8	91.9	
1931	83.4	77.4	78.2	76.6	82.8	73.1	105.6	69.2	80.0	79.9	
1932	74.1	76.7	74.6	68.0	53.5	58.9	75.1	66.0	75.8	67.6	
1933	72.8	79.6	81.1	69.6	50.2	57.6	68.8	69.9	71.9	67.7	
1934	82.4	86.5	89.5	81.5	67.6	70.8	82.5	79.3	85.2	79.6	
1935	87.0	91.3	94.5	89.5	83.4	81.2	88.1	87.2	91.1	87.9	
1936	95.9	98.7	99.9	98.4	93.5	91.5	96.8	93.6	91.7	96.2	
1937	104.5	102.7	106.0	109.6	118.1	110.1	111.3	107.3	106.6	108.9	
1938	102.4	100.3	94.5	97.8	102.8	106.0	101.6	102.9	105.3	100.8	
1939	109.0	107.2	104.9	104.4	101.9	111.1	105.1	108.9	110.7	106.3	
1940	117.9	118.7	124.8	117.8	141.2	133.2	127.8	130.2	116.3	125.2	
1941	137.2	138.2	143.1	131.3	217.1	165.4	148.8	219.6	157.4	155.9	
1942	136.4	145.0	152.4	131.2	289.2	213.7	157.6	369.6	180.2	179.9	
1943	135.8	150.5	140.2	126.7	328.3	255.4	163.5	394.8	186.0	187.7	
1944	155.0	155.9	136.2	129.1	500.5	229.6	166.5	338.8	192.0	180.8	
1945	159.0	159.9	134.7	136.2	247.7	177.6	165.6	257.2	195.6	165.3	
1946	166.6	157.0	134.1	155.5	181.7	155.6	176.2	137.3	168.7	150.3	
Year	PURPOSE CLASSIFICATION GROUPS										
	Food	Cloth-ing	Drink and tobacco	Per-sonal-utilities	House-furnishings	Books and station-ery	Pro-ducer mate-rials	Indus-trial equip-ment	Vehicles and vessels	Mis-cel-laneous	All Industries
1923	73.7	69.2	50.1	85.1	62.1	56.1	69.3	64.3	77.4	45.0	67.5
1924	79.0	69.3	57.4	81.2	69.4	46.8	65.8	64.2	67.4	47.1	66.3
1925	84.0	74.4	61.0	87.0	67.7	54.8	71.9	69.6	83.3	48.7	72.5
1926	87.0	83.5	65.9	99.6	78.7	60.3	81.6	84.3	108.3	52.9	82.5
1927	85.0	89.0	75.8	105.9	95.0	67.0	86.6	91.7	115.2	55.8	87.9
1928	90.2	96.0	86.0	106.5	98.3	74.1	95.7	101.6	122.6	60.0	95.8
1929	89.4	95.8	92.6	101.5	108.3	79.3	101.8	109.2	142.6	66.2	101.4
1930	91.0	88.5	86.3	84.1	98.8	78.7	90.7	97.0	115.6	55.5	91.9
1931	83.4	85.1	78.0	78.2	85.9	75.0	76.4	82.0	82.7	56.4	79.9
1932	80.6	77.8	67.0	70.3	70.7	76.9	61.2	63.7	56.8	52.6	67.6
1933	79.9	81.7	63.4	70.7	68.7	73.5	63.6	59.2	57.7	59.9	67.7
1934	87.8	87.7	72.7	79.5	79.1	83.6	77.3	73.8	76.6	72.8	79.6
1935	90.5	92.2	82.5	87.6	85.9	93.4	86.2	84.7	90.5	78.6	87.9
1936	98.8	97.9	90.9	94.3	95.4	96.3	97.0	94.9	94.3	87.2	96.2
1937	101.5	103.9	107.6	106.7	110.5	101.7	111.8	113.3	118.0	109.6	108.9
1938	102.4	97.9	107.5	103.0	101.6	103.8	98.0	102.0	99.9	109.1	100.8
1939	107.0	108.2	111.6	108.5	106.5	104.7	106.9	105.1	97.4	115.5	106.3
1940	115.0	119.9	129.7	115.1	120.5	102.8	128.7	138.7	129.5	180.3	125.2
1941	131.7	136.0	149.5	140.0	140.4	112.8	151.1	184.9	230.8	230.8	155.9
1942	130.6	142.7	171.2	144.6	149.4	106.6	172.3	222.8	310.2	430.9	179.9
1943	135.7	134.9	167.9	141.7	149.7	107.2	172.7	257.0	373.0	405.1	187.7
1944	147.5	135.7	193.0	143.9	153.6	110.7	164.4	237.6	369.5	362.4	180.8
1945	149.0	136.7	203.5	158.9	156.1	120.4	152.8	208.6	289.4	257.8	165.3
1946	151.9	141.6	212.0	177.7	173.3	137.5	146.6	191.0	178.6	105.9	150.3

7.—Indexes of the Volume of Manufacturing Production for the Groups of the Purpose Classification, Significant Years, 1923-46
(1935-39=100)

Group and Classification	1923	1929	1933	1939	1943	1945	1946
Food	73.7	89.4	79.9	107.0	135.7	149.0	151.9
Breadstuffs	81.0	98.7	84.3	106.9	138.7	144.5	151.3
Fish	108.5	114.1	86.7	98.8	131.9	161.5	156.8
Fruit and vegetable preparations	32.9	70.8	64.5	109.9	107.0	133.7	175.4
Meats	72.7	78.5	76.2	106.0	165.3	176.4	159.2
Milk products	69.8	77.2	78.7	107.3	145.5	148.7	141.2
Oils and fats	52.0	40.9	41.9	156.4	314.0	336.6	356.7
Sugar	79.2	88.5	82.5	109.4	83.3	95.0	92.8
Infusions	64.4	75.0	82.5	105.8	156.2	195.5	196.0
Miscellaneous	46.5	67.4	66.5	110.4			
Clothing	69.2	95.8	81.7	108.2	131.9	136.7	141.6
Boots and shoes	73.0	100.6	80.0	113.4	107.9	129.9	140.5
Fur goods	41.1	97.6	81.0	118.3	169.7	195.0	206.9
Garments and personal furnishings	75.3	94.2	80.2	103.1	153.9	144.4	145.6
Gloves and mittens	59.2	84.0	76.4	100.4	167.1	172.5	170.7
Hats and caps	58.6	95.3	74.3	104.5	130.9	123.9	133.8
Knitted goods	64.8	86.1	83.1	112.4	118.2	120.4	125.8
Waterproofs	48.9	89.8	65.7	100.4	250.0	160.9	159.3
Drink and Tobacco	50.1	92.6	63.4	111.6	167.9	203.5	212.0
Beverages, alcoholic	49.5	105.9	60.5	102.8	165.8	229.5	258.2
Beverages, non-alcoholic	35.9	61.3	54.9	136.4	178.6	171.8	187.8
Tobacco	55.3	90.7	77.1	111.3	170.6	210.1	189.2
Personal Utilities	85.1	101.5	70.7	108.5	141.7	158.9	177.7
Jewellery and time-pieces	78.4	88.5	67.7	108.1	140.0	167.6	207.2
Recreational supplies	193.3	176.7	48.2	114.1	152.4	189.2	218.6
Personal utilities	56.1	79.8	78.1	107.5	142.6	152.5	160.6
House Furnishings	62.1	108.3	68.7	106.5	149.7	156.1	173.3
Books and Stationery	56.1	79.3	73.5	104.7	107.2	120.4	137.5
Producers Materials	69.3	101.8	63.6	106.9	172.7	152.8	146.6
Farm materials (fertilizers)	8.0	13.4	51.7	124.8	204.5	236.3	303.2
Manufacturers materials	58.7	88.1	64.4	105.6	169.1	148.8	141.1
Building materials	109.3	152.9	58.8	111.2	154.8	162.7	188.4
General materials	86.0	120.3	69.3	108.5	190.0	202.8	206.9
Industrial Equipment	64.3	109.2	59.2	105.1	257.0	208.6	191.0
Farming equipment	97.7	144.7	43.3	85.1	240.7	211.0	204.8
Manufacturing equipment	66.5	101.3	44.9	107.6	293.5	244.1	243.7
Trading equipment	55.2	77.2	80.0	107.7	Nil	Nil	Nil
Service equipment	67.7	75.8	72.5	100.4	317.8	220.9	152.0
Light, heat and power equipment	46.6	104.8	61.7	105.0	220.7	199.7	193.9
General equipment	74.2	114.4	58.5	106.4	292.8	217.3	191.2
Vehicles and Vessels	77.4	142.6	57.7	97.4	373.0	289.4	178.6
Miscellaneous	45.0	66.2	59.9	115.5	405.1	257.8	105.9
Totals, All Manufactures	67.5	101.4	67.7	106.3	187.7	165.3	150.3

Section 3.—Production by Industrial Groups and Individual Industries

For the purposes of the Census of Manufactures, the main detailed analysis is made under a classification in which industries are grouped according to the chief component materials of the goods manufactured. This is, therefore, the grouping used in Table 9, where the statistics of individual industries are presented in detail and in the historical series shown in Table 3. However, there are also less detailed analyses given under the standard classification grouping in Tables 10 and 11, the purpose grouping in Table 12 and origin grouping in Table 13.

Subsection 1.—Manufactures Grouped by Chief Component Materials

A classification based on the chief component materials in the various products of each manufacturing establishment was applied for the first time in the compilation of the returns for 1920. The number of groups was reduced from fifteen to nine to correspond with the external trade classification and the classes of industry were somewhat altered to conform with recent industrial developments. Subsequently, a number of minor changes were made, the most important being the elimination of

central electric stations and the dyeing, cleaning and laundry industry from the compilation in 1936. Revisions due to these changes have been carried back to 1917 in so far as possible.

Recent Changes in Manufacturing Production.—Table 8 shows the recovery after the depression and the impact of the Second World War upon the main groups of industries with regard to the numbers employed, the salaries and wages paid, and the gross value of products. Owing to the price decline during the depression, money values of both wages and products were naturally affected more than number of employees. Furthermore, during periods of curtailed production there is a tendency for wage-earners to be put on part time, while the number of salaried employees responds less quickly to reduction in output than that of wage-earners. Therefore, there are several reasons why the variation in number of employees should be less than that of money values. The figures of Table 8 are to be compared with those of Table 6 which shows changes in volume of production. Compared with 1939, the number of employees in 1944 increased by 86 p.c. as compared with an increase of 70 p.c. in the physical volume of production. Salaries and wages paid were 175 p.c. higher and the gross value of production 161 p.c. higher. Another significant change is the increase in the proportion of women engaged in manufacturing. Whereas in 1939, there were 281 females to every 1,000 males employed, in 1944 this figure jumped to 403.

8.—Percentage Variations in Employment, Salaries and Wages, and Gross Value of Products in the Main Industrial Groups, Compared for Significant Years, 1933-47

Industrial Group	1939 Compared with 1933			1944 Compared with 1939		
	Em- ployees	Salaries and Wages	Gross Value of Pro- ducts	Em- ployees	Salaries and Wages	Gross Value of Pro- ducts
Vegetable products.....	+31.9	+ 52.1	+ 52.6	+ 31.4	+ 76.4	+ 92.6
Animal products.....	+30.6	+ 46.9	+ 70.4	+ 35.8	+ 89.4	+136.4
Textiles and textile products.....	+26.5	+ 47.1	+ 40.5	+ 26.5	+ 82.8	+ 99.1
Wood and paper products.....	+37.8	+ 61.7	+ 69.9	+ 31.0	+ 72.1	+ 88.6
Iron and its products.....	+65.0	+119.3	+155.3	+240.3	+416.2	+359.1
Non-ferrous metal products.....	+76.3	+112.4	+152.5	+134.1	+206.5	+138.5
Non-metallic mineral products.....	+35.6	+ 55.9	+ 58.5	+ 37.2	+ 86.7	+100.0
Chemicals and allied products.....	+46.7	+ 68.5	+ 71.9	+262.1	+335.3	+359.8
Miscellaneous products.....	+47.0	+ 67.0	+ 79.8	+108.0	+216.6	+251.4
Averages, All Industries.....	+40.4	+ 69.1	+ 77.8	+ 85.8	+175.1	+161.1
1947 Compared with 1944						
Industrial Group	1947 Compared with 1944			1947 Compared with 1946		
	Em- ployees	Salaries and Wages	Gross Value of Pro- ducts	Em- ployees	Salaries and Wages	Gross Value of Pro- ducts
Vegetable products.....	+10.4	+ 31.1	+ 40.3	+ 5.2	+ 16.6	+21.3
Animal products.....	+ 8.4	+ 28.6	+ 15.3	- 0.7	+ 9.7	+11.2
Textiles and textile products.....	+15.0	+ 36.9	+ 35.9	+ 6.9	+ 17.6	+19.5
Wood and paper products.....	+31.0	+ 61.9	+ 78.7	+ 10.9	+ 25.8	+31.7
Iron and its products.....	-36.0	- 31.6	- 27.0	+ 5.7	+ 17.7	+32.0
Non-ferrous metal products.....	- 7.9	+ 6.6	+ 4.3	+ 13.2	+ 29.6	+43.9
Non-metallic mineral products.....	+24.1	+ 41.0	+ 35.3	+ 7.5	+ 24.0	+26.1
Chemicals and allied products.....	-53.0	- 43.6	- 38.7	+ 3.3	+ 16.4	+19.6
Miscellaneous industries.....	- 7.7	- 6.7	- 20.9	+ 10.3	+ 21.8	+ 6.8
Averages, All Industries.....	- 7.5	+ 2.8	+ 11.1	+ 7.0	+ 19.8	+25.5

Significant changes in the nature of manufacturing production took place after the cessation of hostilities in 1945. Industries engaged in war production operated at a substantially lower level, while industries producing consumer goods stepped up their production. From the point of view of employment the chemical

and allied products group with a drop of 53 p.c. experienced the greatest decline in production between 1944 and 1947. Iron and its products was second with a drop of 36 p.c., followed by non-ferrous metal products with 8 p.c. and miscellaneous industries 8 p.c. The wood and paper products group reported the greatest gain with an increase in employment of 31 p.c., followed by non-metallic mineral products with 24 p.c., textiles 15 p.c., vegetable products 10 p.c. and animal products 8 p.c. For manufacturing as a whole there was a drop of 8 p.c. in the number of employees with an increase of 3 p.c. in the amount of salaries and wages paid. Although there was a drop in the physical volume of production the gross value of products made was 11 p.c. higher. This was due to the rise in the wholesale prices of fully and partly manufactured products.

Detailed Statistics by Groups and Individual Industries. — Table 9 presents for the year 1947 detailed statistics regarding the individual industries under which all industrial plants in the Dominion are classified. The industries are further assembled under nine main groups according to the principal component material of their products.

In interpreting the statistics of individual industries it should be remembered that the figures on employment, production, etc., do not refer to individual products but to all the products made in an industry. For example, the value of production of the confectionery industry amounting to \$76,854,863 does not imply that this was the value of confectionery produced. What it means is that the firms whose principal product was confectionery, had a value of production of \$76,854,863. This figure, in addition to confectionery, includes all the subsidiary products made by these firms, such as ice cream which was valued at \$2,198,713, and bread and other bakery products valued at \$2,254,057. Confectionery is also produced as a subsidiary product by firms credited to other industrial classifications. For total production figures of individual products, reference should be made to "The Alphabetical List of Products" published annually as Appendix II to this report.

The incidence of the War resulted in a rearrangement in the rank of many industries. Industries producing supplies and equipment for the Armed Forces naturally advanced while those industries producing for the domestic consumer market declined in importance. To supply the raw materials needed by the industries engaged principally in war production, it became necessary to restrict or prohibit the manufacture of many products such as pleasure cars, radios, washing machines, electrical equipment, household appliances, agricultural implements, etc. Though these industries were forced to change over to wartime production, the changes did not affect the value of their output and consequently their importance as producers of manufactured goods did not alter drastically. To analyse the effects of the War and the conversion to peace-time production on any industry, it is necessary to compare the nature of the products made before and during the War with that of the present. This should be borne in mind in making industrial comparisons of the war years and the present. For example, the number of employees engaged in the agricultural implements industry increased by 8,248 between 1939 and 1945; this in spite of the fact that the output of agricultural implements remained at about the same level. The increase was due to a change-over of some of the plants to war production. It is therefore impossible to trace industrial trends from the principal statistics alone, as published in this report.

9.—Statistics of the Establishments, Employees, Salaries and Wages, Power, Fuel,

Industry and Group	Establishments	Employees on Salary			Employees on	
		Male	Female	Salaries	Male	Female
		No.	No.	\$	No.	No.
PROVINCE						
1 Prince Edward Island.....	260	369	105	541,115	1,004	428
2 Nova Scotia.....	1,480	3,327	922	8,055,301	22,220	3,816
3 New Brunswick.....	1,061	2,522	870	6,939,126	17,170	3,619
4 Quebec.....	11,223	44,088	16,485	152,455,062	229,196	89,680
5 Ontario.....	11,860	63,890	30,533	243,676,598	342,988	100,170
6 Manitoba.....	1,413	4,963	1,792	15,666,055	24,826	7,797
7 Saskatchewan.....	1,001	2,157	755	5,182,667	7,642	1,169
8 Alberta.....	1,382	3,486	1,121	9,200,133	16,203	3,131
9 British Columbia.....	3,040	10,422	3,267	32,890,569	60,046	9,426
10 Yukon and Northwest Territories.....	14	24	2	57,174	112	7
Totals.....	32,734	135,248	55,852	474,693,800	721,407	219,243
INDUSTRIAL GROUP						
1 Vegetable products.....	6,032	17,579	7,236	58,172,514	81,381	38,094
2 Animal products.....	4,457	13,546	5,014	40,338,266	60,415	23,131
3 Textiles and textile products.....	3,216	12,830	7,838	59,753,126	65,190	90,207
4 Wood and paper products.....	12,985	35,721	11,865	105,528,311	176,695	24,169
5 Iron and its products.....	2,469	28,681	10,982	107,947,338	212,845	10,974
6 Non-ferrous metal products.....	799	12,518	5,904	48,460,547	60,983	16,675
7 Non-metallic mineral products.....	943	4,618	1,440	15,533,838	31,002	2,152
8 Chemicals and allied products.....	1,031	6,956	3,965	28,231,140	21,627	5,943
9 Miscellaneous industries.....	802	2,799	1,608	10,728,720	11,269	7,898
1.—Vegetable Products						
1 Aerated and mineral waters.....	456	1,105	357	3,503,551	4,097	268
2 Biscuits and crackers.....	44	339	227	1,288,728	1,969	2,397
3 Bread and other bakery products.....	2,942	3,616	1,180	8,467,792	19,700	7,005
4 Breweries.....	61	1,318	325	5,416,756	7,503	232
5 Confectionery, cocoa, etc.....	194	711	442	3,188,835	3,210	4,982
6 Distilleries.....	18	670	245	2,638,426	2,114	1,056
7 Flour and feed mills.....	961	1,649	443	4,222,743	5,945	248
8 Foods, breakfast.....	19	145	73	546,589	587	353
9 Foods, stock and poultry.....	285	740	315	2,267,174	3,271	110
10 Foods, miscellaneous.....	303	1,192	757	4,707,715	2,270	2,786
11 Fruit and vegetable preparations.....	502	1,623	819	5,060,028	7,730	6,864
12 Macaroni, vermicelli, etc.....	18	50	31	218,077	398	224
13 Malt and malt products.....	11	73	32	330,768	492	2
14 Rubber goods incl. rubber footwear.....	60	2,683	1,227	9,547,021	14,386	5,179
15 Starch and glucose.....	10	184	75	713,626	755	65
16 Sugar refineries.....	11	302	106	1,318,141	2,292	303
17 Tobacco, cigars and cigarettes.....	75	732	452	3,001,343	2,809	5,378
18 Tobacco processing and packing.....	16	195	33	635,171	757	524
19 Vegetable oil mills.....	15	111	37	415,610	592	6
20 Wine.....	29	122	51	598,823	443	106
21 All other industries.....	2	19	3	85,597	61	6
Totals, Vegetable Products.....	6,032	17,579	7,236	58,172,514	81,381	38,094
2.—Animal Products						
1 Animal oils and fats.....	9	30	6	120,000	133	2
2 Belting, leather.....	15	45	20	160,903	165	18
3 Boot and shoe findings, leather.....	26	50	23	200,407	443	119
4 Foots and shoes, leather.....	295	1,635	694	6,078,374	10,706	8,398
5 Butter and cheese.....	2,037	4,178	1,681	8,517,435	13,681	1,217
6 Cheese, processed.....	22	78	29	245,644	414	402
7 Condensed milk.....	31	157	86	550,356	1,215	111
8 Dairy products, other.....	85	156	56	388,371	479	123
9 Fish curing and packing.....	594	1,256	315	2,828,306	7,389	3,083
10 Fur dressing and dyeing.....	24	140	37	528,559	920	262
11 Fur goods.....	616	1,193	377	3,740,915	2,450	2,074
12 Gloves and mittens, leather.....	84	165	110	682,329	907	1,647
13 Hair goods, animal and human.....	22	32	16	112,528	162	43
14 Leather tanneries.....	81	395	147	2,020,576	4,602	430
15 Misc. leather goods.....	291	607	245	1,958,379	2,230	1,923
16 Sausage and sausage casings.....	74	148	34	306,695	362	129
17 Slaughtering and meat packing.....	151	3,281	1,138	11,898,489	14,157	3,150
Totals, Animal Products.....	4,457	13,546	5,014	40,338,266	60,415	23,131

Materials, and Values of Products of Canadian Manufacturing Industries, 1947

Wages	Total Employees	Total Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Net Value of Products	Gross Value of Products
\$	No.	\$	\$	\$	\$	\$
1,397,352	1,906	1,938,467	193,766	8,610,332	3,849,353	12,653,451 1
38,027,735	30,285	46,113,036	7,929,695	111,354,221	84,935,517	204,219,433 2
32,644,267	24,181	39,583,393	8,387,011	116,491,443	83,487,984	208,366,438 3
510,382,552	379,449	662,837,614	91,595,892	1,601,055,840	1,324,397,600	3,017,049,422 4
794,300,116	537,551	1,037,976,714	115,760,769	2,651,697,573	2,136,014,184	4,903,472,529 5
53,306,598	39,378	68,972,653	6,820,417	236,936,343	139,373,521	383,130,281 6
14,479,303	11,723	19,661,970	3,522,658	151,449,021	41,480,520	196,452,199 7
32,046,038	23,941	41,246,171	4,440,268	202,324,036	89,289,825	296,054,129 8
134,392,098	83,161	167,282,667	15,911,737	453,670,677	388,702,178	858,284,592 9
256,107	145	313,281	128,546	690,533	525,030	1,344,109 10
1,611,232,166	1,131,750	2,085,925,966	254,690,759	5,534,280,019	4,292,055,802	10,081,026,589
182,981,694	144,290	241,154,208	24,672,239	1,102,727,365	654,939,477	1,782,339,081 1
125,883,099	102,106	166,221,365	13,316,840	929,179,962	316,673,669	2,159,170,471 2
208,351,763	176,065	268,104,889	12,423,513	560,634,708	488,983,044	1,062,041,265 3
354,843,047	248,450	460,371,358	67,430,908	895,117,041	991,750,398	1,954,298,347 4
452,021,163	263,482	559,968,501	43,729,493	871,965,295	939,220,774	1,854,915,562 5
146,477,037	96,080	194,937,584	35,910,358	596,648,463	402,021,896	1,034,580,717 6
63,612,237	39,212	79,146,075	40,080,785	323,687,397	199,351,736	563,119,918 7
49,248,579	38,491	77,479,719	15,632,455	205,541,145	228,786,192	449,959,792 8
27,813,547	23,574	38,542,267	1,494,168	48,778,643	70,328,616	120,601,427 9
5,998,901	5,827	9,502,452	1,077,649	20,248,739	34,555,806	55,882,194 1
5,398,205	4,932	6,688,933	501,256	18,647,099	20,934,424	40,082,779 2
39,428,473	31,501	47,899,265	5,188,604	80,084,523	80,476,461	165,749,588 3
15,650,336	9,378	21,067,092	1,874,998	25,871,001	86,800,811	114,546,810 4
9,529,474	9,345	12,718,309	806,720	40,556,696	35,491,447	76,854,863 5
5,235,730	4,088	7,874,156	1,628,524	28,557,924	38,191,901	68,378,349 6
10,609,316	8,285	14,832,059	2,457,809	280,674,476	41,020,372	324,152,457 7
1,691,968	1,158	2,238,557	230,280	7,815,285	7,196,638	15,242,203 8
5,634,028	4,436	7,901,202	933,245	100,384,042	19,235,753	120,553,040 9
6,445,622	7,005	11,153,337	695,648	94,412,054	32,332,233	127,439,940 10
17,139,438	17,036	22,199,466	2,030,646	89,332,550	61,349,705	152,712,901 11
915,147	703	1,133,224	112,133	3,468,816	2,382,209	5,963,158 12
1,002,875	599	1,333,645	671,464	13,657,524	4,092,834	18,421,822 13
37,066,872	23,475	46,613,893	2,700,102	82,934,625	110,673,007	196,307,734 14
1,536,064	1,082	2,249,690	784,287	12,946,077	4,469,312	18,199,676 15
4,991,340	3,003	6,309,481	2,106,343	63,883,259	14,204,767	80,194,369 16
11,030,711	9,371	14,032,054	307,421	48,785,199	43,185,902	92,278,522 17
1,567,547	1,509	2,202,718	143,494	48,335,803	6,035,192	54,514,489 18
1,098,188	746	1,513,798	307,708	32,769,012	5,270,781	38,347,501 19
898,186	722	1,497,009	105,764	5,659,928	6,456,977	12,222,669 20
113,273	89	198,870	8,344	3,702,733	582,940	4,294,017 21
182,981,694	111,290	241,154,208	24,672,239	1,102,727,365	654,939,477	1,782,339,081
263,933	171	383,933	95,802	974,180	723,088	1,793,070 1
287,194	248	441,097	19,123	1,434,729	955,724	2,412,576 2
856,626	635	1,057,033	110,477	1,361,682	1,549,336	3,021,495 3
23,961,196	21,433	30,039,570	500,552	57,444,765	46,201,865	104,147,182 4
23,888,310	20,757	32,405,745	5,035,149	238,667,559	66,025,020	309,727,575 5
1,086,149	923	1,331,793	79,051	14,952,439	6,620,931	21,652,421 6
2,106,073	1,569	2,656,429	1,084,898	32,813,056	8,747,387	42,645,351 7
851,887	814	1,240,255	159,417	4,601,773	3,285,138	8,046,328 8
13,032,376	12,043	15,860,682	1,410,661	62,780,333	41,081,688	105,272,682 9
1,825,392	1,359	2,353,951	99,317	781,590	3,649,571	4,530,478 10
7,665,649	6,094	11,406,564	178,470	36,912,929	20,450,229	57,541,628 11
2,615,458	2,829	3,297,787	49,734	6,345,174	5,232,984	11,627,892 12
266,440	253	378,968	9,280	964,609	609,471	1,583,360 13
8,650,302	5,574	10,679,872	1,081,095	46,220,085	21,938,986	69,240,166 14
5,147,868	5,005	7,106,247	128,649	11,088,039	10,764,107	21,880,541 15
650,590	673	963,255	106,879	5,142,773	1,781,024	7,039,676 16
32,712,656	21,726	44,611,145	3,168,286	406,694,207	77,054,061	486,916,554 17
125,883,099	102,106	166,221,365	13,316,840	929,179,962	316,673,669	1,259,170,471

9.—Statistics of the Establishments, Employees, Salaries and Wages, Power, Fuel,

Industry and Group	Establishments	Employees on Salary			Employees on	
		Male	Female	Salaries	Male	Female
3.—Textiles and Textile Products						
1 Awnings, tents and sails.	96	233	96	728,938	548	515
2 Bags, cotton and jute.	32	142	64	692,854	445	919
3 Batting and wadding.	7	30	8	212,672	286	72
4 Carpets, mats and rugs.	20	139	67	660,710	681	460
5 Clothing, men's factory.	566	2,477	1,391	11,469,048	7,869	18,080
6 Clothing, women's factory.	1,169	2,861	1,927	14,004,323	6,182	19,999
7 Clothing contractors, men's.	150	267	52	794,982	1,252	2,992
8 Clothing contractors, women's.	94	124	31	326,579	224	1,026
9 Cordage, rope and twine.	10	121	48	523,446	912	526
10 Corsets.	40	222	87	1,506,603	279	2,371
11 Cotton and wool waste.	28	67	30	326,413	214	185
12 Cotton textiles, miscellaneous.	124	286	129	1,121,193	398	1,555
13 Cotton thread.	7	109	64	442,886	171	612
14 Cotton yarn and cloth.	45	801	532	3,860,818	13,981	8,775
15 Dyeing and finishing of textiles.	44	278	148	1,310,499	1,672	320
16 Flax fibre.	33	52	9	119,062	297	3
17 Gloves and mittens, fabric.	16	44	29	173,146	100	535
18 Hats and caps.	169	477	263	2,213,650	2,022	2,405
19 Hosiery and knitted goods.	262	1,467	1,118	7,053,804	7,932	15,994
20 Linen goods.	4	13	8	53,300	52	103
21 Miscellaneous textiles.	16	287	116	1,411,452	1,202	269
22 Narrow fabrics, laces, etc.	43	197	134	809,889	873	960
23 Oiled and waterproofed clothing.	15	57	21	262,961	129	270
24 Synthetic textiles and silk.	40	1,049	578	4,719,413	8,451	4,650
25 Woollen cloth.	95	602	349	2,832,397	5,231	4,007
26 Woollen goods, miscellaneous.	36	159	83	974,339	1,574	425
27 Woollen yarn.	55	268	156	1,147,949	2,213	2,179

Totals, Textiles and Products.	3,216	12,830	7,838	59,753,126	65,190	90,207
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4.—Wood and Paper Products						
1 Beekeepers' and poultrymen's supplies.	12	19	10	40,619	91	22
2 Blueprinting.	28	47	20	173,726	158	39
3 Boat building.	225	321	64	567,674	1,385	37
4 Boxes and bags, paper.	165	1,048	600	4,701,112	5,550	4,999
5 Boxes, wooden.	182	388	117	1,110,868	3,842	495
6 Carriages, wagons and sleighs.	56	108	15	217,760	531	14
7 Coffins and caskets.	52	137	45	407,346	946	170
8 Cooperage.	71	86	28	219,021	792	13
9 Engraving, stereotyping and electrolytting.	107	567	293	2,593,787	2,318	664
10 Excelsior.	11	20	6	51,379	120	26
11 Flooring, hardwood.	23	114	43	376,428	1,284	25
12 Furniture.	1,046	2,642	853	8,380,174	19,306	1,980
13 Lasts, trees and shoe findings.	18	74	36	222,772	405	210
14 Lithographing.	51	366	297	2,181,036	2,153	1,123
15 Miscellaneous paper products.	196	910	695	3,766,128	3,877	2,845
16 Miscellaneous wooden products.	404	630	177	1,500,170	2,771	723
17 Planing mills, sash and door factories.	1,246	2,248	470	5,113,433	12,960	196
18 Printing and bookbinding.	1,469	3,163	1,458	10,558,665	10,578	5,175
19 Printing and publishing.	771	6,885	3,666	22,195,830	30,587	1,967
20 Pulp and paper.	115	5,859	1,847	26,286,577	41,413	827
21 Refrigerators, other than electric.	15	58	20	177,355	387	74
22 Roofing paper, etc.	21	357	179	1,147,057	1,543	104
23 Sawmills.	6,481	8,902	607	10,539,042	45,181	735
24 Trade composition.	41	84	43	404,668	427	18
25 Veneer and plywood.	36	318	139	1,382,232	4,362	1,171
26 Woodenware.	31	53	20	134,212	602	185
27 Wood turning.	86	162	41	404,458	1,419	185
28 All other industries.	35	155	76	674,782	1,677	147

Totals, Wood and Paper Products	12,985	35,721	11,865	103,528,311	176,695	24,169
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5.—Iron and its products						
1 Agricultural implements.	61	1,733	592	5,261,562	13,418	270
2 Aircraft and parts.	12	2,006	630	7,271,163	6,483	255
3 Automobiles.	9	2,431	1,033	10,789,150	20,169	204
4 Automobile supplies.	128	1,780	772	7,330,408	12,553	2,373
5 Bicycles.	9	82	32	281,079	552	74
6 Boilers, tanks and platework.	49	866	336	3,161,065	4,307	89
7 Bridge and structural steel work.	26	1,222	311	5,834,229	5,618	27
8 Castings, iron.	216	1,378	579	5,353,451	15,851	359
9 Hardware, tools and cutlery.	288	1,545	883	6,257,896	10,474	2,032
10 Heating and cooking apparatus.	99	783	359	2,811,977	6,483	228
11 Iron and steel products, miscellaneous.	222	805	300	2,956,976	4,575	327
12 Machinery.	322	4,559	2,132	16,839,459	21,993	1,236
13 Machine shops.	509	1,106	258	3,119,360	4,011	94
14 Primary iron and steel.	58	2,110	819	8,689,952	23,740	264

Materials, and Values of Products of Canadian Manufacturing Industries, 1947—con.

Wages	Total Employees	Total Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Net Value of Products	Gross Value of Products
\$	No.	\$	\$	\$	\$	\$
1,413,111	1,392	2,142,049	67,517	4,723,190	2,761,692	7,552,399 1
1,589,402	1,571	2,282,256	74,502	32,389,892	6,672,546	39,136,940 2
638,610	396	851,282	63,249	2,695,322	1,751,761	4,510,332 3
1,779,380	1,347	2,440,090	159,013	3,970,501	4,694,743	8,824,257 4
34,017,736	29,817	45,488,784	508,069	98,082,593	84,575,371	183,166,033 5
36,352,798	30,969	50,357,121	433,643	92,713,574	91,158,213	184,305,430 6
5,173,970	4,563	5,968,952	76,865	512,886	7,034,561	7,624,312 7
1,444,941	1,405	1,771,520	27,179	102,682	2,297,369	2,427,230 8
2,313,893	1,607	2,837,339	176,154	11,053,378	6,999,873	18,229,405 9
2,586,685	3,259	4,093,288	45,323	6,276,125	7,800,363	14,121,811 10
477,726	496	804,139	66,891	4,538,557	1,649,916	6,255,384 11
2,070,919	2,368	3,192,112	49,612	9,208,119	5,958,309	15,216,040 12
894,749	956	1,337,635	78,492	4,164,635	2,785,250	7,028,377 13
31,583,595	24,089	35,444,413	3,212,283	99,559,159	55,460,989	158,272,431 14
3,194,476	2,418	4,504,975	813,788	2,156,938	7,513,908	10,484,634 15
395,687	361	514,749	49,067	—	1,470,244	1,519,311 16
575,197	708	748,343	14,585	1,397,940	1,214,542	2,627,067 17
6,072,951	5,167	8,286,601	221,443	12,746,222	13,845,854	26,813,519 18
28,593,059	26,511	35,646,663	1,429,016	59,557,427	66,851,127	127,837,570 19
185,282	176	238,582	9,064	691,417	278,807	979,288 20
2,641,847	1,874	4,053,299	378,775	10,969,555	8,720,058	20,068,388 21
2,245,143	2,164	3,055,032	133,994	5,224,243	4,998,431	10,356,668 22
568,979	477	831,940	14,883	1,934,849	1,649,893	3,599,625 23
19,565,050	14,728	24,284,463	2,400,525	32,659,919	49,809,478	84,869,922 24
13,085,051	10,189	15,917,448	1,146,493	34,853,119	29,507,756	65,507,368 25
3,179,914	2,241	4,154,253	353,112	10,922,536	8,854,733	20,130,381 26
5,711,612	4,816	6,859,561	419,976	17,489,930	12,667,257	30,577,163 27
205,351,763	176,065	268,104,889	12,423,513	560,634,708	488,983,044	1,062,041,265
107,211	142	147,830	9,673	258,585	428,322	696,580 1
252,909	264	426,635	14,850	268,645	771,947	1,055,442 2
2,061,230	1,807	2,628,904	99,477	2,206,823	3,126,214	5,432,514 3
14,689,265	12,227	19,390,377	691,942	53,058,096	37,889,859	91,641,607 4
5,966,318	4,842	7,077,186	278,935	11,992,701	10,826,081	23,097,715 5
812,702	668	1,030,462	45,075	1,018,986	1,532,475	2,591,536 6
1,507,114	1,298	1,914,460	74,322	2,386,344	2,980,883	5,441,549 7
1,266,920	919	1,485,941	68,120	4,017,235	2,865,841	6,951,196 8
7,069,180	3,842	9,662,967	177,075	3,670,103	14,105,770	17,952,948 9
191,180	172	242,559	19,499	237,736	373,438	630,673 10
1,809,181	1,466	2,185,609	124,684	5,832,730	4,224,808	10,182,222 11
32,897,491	24,781	41,277,665	1,431,379	59,277,186	65,490,308	126,198,873 12
795,028	725	1,017,800	32,051	912,495	1,505,145	2,449,691 13
5,692,829	3,939	7,873,865	146,264	10,704,233	13,985,043	24,835,540 14
10,243,778	8,327	14,009,906	674,590	45,510,706	33,921,609	80,106,905 15
4,678,840	4,301	6,179,010	259,946	9,439,637	10,013,881	19,713,464 16
19,148,146	15,874	24,261,579	1,244,302	57,184,102	39,071,060	97,499,464 17
24,747,053	20,374	35,305,718	840,955	33,596,332	57,432,081	91,869,368 18
24,794,879	23,105	46,990,709	1,177,708	34,113,405	90,280,426	125,571,639 19
103,191,418	49,946	129,477,995	55,442,396	295,444,332	356,084,900	706,971,628 20
672,012	539	849,367	22,642	1,161,020	1,386,010	2,569,672 21
3,089,173	2,183	4,236,230	497,120	14,324,193	12,584,003	27,405,316 22
72,821,410	55,425	83,360,452	3,074,501	208,543,819	190,514,978	402,133,298 23
947,090	572	1,351,758	22,683	232,748	2,091,784	2,347,215 24
9,347,224	5,990	10,729,456	451,485	17,852,712	25,769,317	44,073,514 25
958,538	860	1,092,750	36,086	850,426	1,380,393	2,266,905 26
1,979,758	1,807	2,384,216	80,094	2,816,138	3,517,829	6,414,061 27
3,105,170	2,055	3,779,952	392,954	18,208,863	7,595,993	26,197,810 28
354,843,047	248,450	460,371,358	67,430,908	895,117,041	991,750,398	1,954,298,347
25,982,444	16,013	31,244,006	1,461,921	49,799,417	38,162,131	89,423,469 1
14,150,897	9,374	21,422,050	749,639	16,190,747	27,363,190	44,303,576 2
47,618,827	23,837	58,407,977	2,332,456	226,845,132	111,740,607	340,918,195 3
29,229,456	17,487	36,559,864	2,075,025	65,430,940	64,028,974	131,534,939 4
1,041,333	740	1,322,412	78,493	1,869,130	2,142,541	4,090,164 5
9,374,898	5,598	12,535,963	613,297	14,637,411	20,525,114	35,775,822 6
10,298,362	7,178	16,125,591	724,861	22,160,375	29,674,022	52,559,226 7
32,848,055	18,167	38,201,506	2,627,481	36,201,211	63,687,150	102,515,842 8
22,046,397	14,934	28,904,293	1,474,216	25,033,959	53,028,657	79,536,832 9
12,086,411	7,853	14,898,388	695,455	17,181,317	27,024,610	44,901,382 10
9,099,288	6,010	12,056,264	1,214,403	14,073,124	20,762,334	36,049,861 11
45,130,233	29,920	61,969,692	2,216,382	74,101,757	124,576,615	200,894,754 12
7,523,527	5,469	10,642,887	464,474	6,697,900	15,500,634	22,663,008 13
51,595,416	26,933	60,285,368	18,863,396	104,532,334	92,879,888	216,275,618 14

9.—Statistics of the Establishments, Employees, Salaries and Wages, Power, Fuel,

Industry and Group	Establishments	Employees on Salaries			Employees on	
		Male	Female	Salaries	Male	Female
5.—Iron and its Products—concluded	No.	No.	No.	\$	No.	No.
15 Railway rolling-stock.....	37	1,835	242	5,837,522	26,352	97
16 Sheet metal products.....	253	2,137	863	7,621,012	12,444	2,193
17 Shipbuilding and repairs.....	74	1,491	472	5,300,800	19,015	141
18 Wire and wire goods.....	97	800	369	3,230,277	4,807	711
Totals, Iron and its Products	2,469	28,681	10,982	107,917,338	212,845	10,974
6.—Non-ferrous Metal Products						
1 Aluminum products.....	81	805	421	2,865,587	4,141	460
2 Brass and copper products.....	161	1,187	550	4,889,387	7,685	995
3 Electrical apparatus and supplies.....	296	7,353	3,790	28,320,997	28,481	13,112
4 Jewellery, electro-plated ware, etc.....	176	566	403	2,440,690	3,282	1,428
5 Miscellaneous non-ferrous metal products.....	22	130	105	606,438	483	157
6 Non-ferrous metal smelting and refining.....	16	2,073	465	7,690,271	14,845	66
7 White metal alloys.....	47	404	170	1,647,177	2,066	457
Totals, Non-Ferrous Metal Products	799	12,518	5,994	48,460,547	60,983	16,675
7.—Non-metallic Mineral Products						
1 Abrasive products.....	16	253	162	1,179,702	2,096	164
2 Asbestos products.....	14	153	44	486,852	669	100
3 Cement.....	8	107	9	328,748	1,518	16
4 Cement products.....	297	467	76	1,069,095	2,584	24
5 Clay products from domestic clay.....	124	163	44	494,173	3,190	155
6 Clay products from imported clay.....	33	177	68	615,826	1,423	482
7 Coke and gas products.....	34	846	363	2,908,322	3,797	3
8 Glass products.....	96	490	237	1,777,071	4,265	835
9 Gypsum products.....	10	66	14	216,046	792	33
10 Lime.....	42	64	14	215,227	949	11
11 Miscellaneous non-metallic mineral products.....	58	271	86	880,759	1,361	171
12 Petroleum products.....	46	1,208	253	4,279,073	6,229	70
13 Salt.....	10	44	18	239,576	582	56
14 Sand-lime brick.....	4	10	1	33,141	107	7
15 Stone, monumental & ornamental.....	151	299	51	810,227	1,440	25
Totals, Non-Metallic Mineral Products	943	4,618	1,410	15,533,838	31,002	2,152
8.—Chemicals and Allied Products						
1 Acids, alkalies and salts.....	31	719	186	2,736,374	4,581	55
2 Adhesives.....	26	134	73	556,957	491	31
3 Coal tar distillation.....	11	63	22	238,984	304	3
4 Fertilizers.....	31	473	118	1,824,590	2,656	11
5 Gases, compressed.....	44	276	215	990,652	593	5
6 Inks, printing and writing.....	32	159	84	572,483	432	44
7 Medicinal and pharmaceutical preparations.....	213	1,309	1,109	6,456,622	2,520	2,740
8 Miscellaneous chemical products.....	203	1,098	580	4,433,522	3,983	1,061
9 Paints, pigments and varnishes.....	109	1,277	621	4,722,818	3,056	474
10 Plastics, primary.....	10	205	66	663,235	733	36
11 Polishes and dressings.....	55	166	128	660,085	258	191
12 Soaps, washing compounds, etc.....	166	802	400	2,921,174	1,593	467
13 Toilet preparations.....	100	275	363	1,453,635	407	825
Totals, Chemicals and Allied Products	1,031	6,956	3,965	28,231,140	21,627	5,943
9.—Miscellaneous Industries						
1 Artificial flowers and feathers.....	41	69	49	240,106	132	437
2 Automobile accessories, fabric.....	12	90	40	372,344	297	363
3 Brooms, brushes and mops.....	89	339	203	1,252,849	1,411	692
4 Buttons.....	29	149	104	808,184	774	939
5 Candles.....	12	45	28	168,216	118	76
6 Fountain pens and pencils.....	10	189	162	744,590	472	603
7 Ice, artificial.....	60	97	39	289,934	650	17
8 Lamps, electric and lamp shades.....	42	98	64	325,985	356	327
9 Miscellaneous incl. jewellery cases, etc.....	12	30	34	130,999	186	182
10 Musical instruments.....	25	125	53	410,325	836	71
11 Pipes, lighters and other smokers' supplies.....	13	40	15	164,343	169	138
12 Plastic products.....	51	282	15*	990,579	1,038	1,025
13 Scientific and professional equipment.....	71	414	295	1,978,592	1,883	1,331
14 Signs, electric, neon and other.....	42	179	61	639,421	781	17
15 Sporting goods.....	56	177	89	591,885	773	448
16 Stamps and stencils, rubber and metal.....	45	112	44	383,237	359	85
17 Statuary, art goods and novelties.....	100	170	71	481,656	372	379
18 Toys and games.....	47	107	52	383,019	472	572
19 Typewriter supplies.....	8	58	33	270,314	160	81
20 Umbrellas.....	7	29	14	101,842	30	115
Totals, Miscellaneous Industries	802	2,799	1,608	10,728,740	11,269	7,898
Grand Totals, All Industries	32,734	135,248	55,852	474,693,800	721,407	219,243

STATISTICS OF INDIVIDUAL INDUSTRIES

25

Materials, and Values of Products of Canadian Manufacturing Industries, 1947 -cont.

Wages	Total Employees	Total Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Net Value of Products	Gross Value of Products
\$	No.	\$	\$	\$	\$	\$
55,916,713	28,526	61,754,235	3,817,648	73,076,408	82,389,093	159,283,149
25,640,807	17,637	33,261,819	1,648,691	68,591,605	59,254,654	129,494,950
41,156,907	21,119	46,457,707	1,653,601	37,263,603	71,213,925	110,131,129
10,681,192	6,687	13,911,469	1,018,054	18,278,925	35,266,635	54,563,614
452,021,163	263,482	559,968,501	43,729,195	871,965,295	939,220,774	1,854,915,562
8,342,725	5,827	11,208,312	1,030,744	20,203,350	18,615,289	30,849,333
16,338,229	10,417	21,227,616	1,567,005	60,387,706	34,595,129	96,549,840
75,570,019	52,736	103,891,016	3,515,897	182,131,286	200,859,040	366,506,203
7,752,706	5,679	10,193,396	252,021	18,457,575	16,842,801	35,552,401
1,018,696	875	1,625,134	475	2,943,967	2,693,042	5,653,771
33,077,600	17,449	40,767,871	28,967,355	308,267,931	115,798,652	453,033,942
4,377,062	3,097	6,024,239	530,572	24,256,664	12,647,940	37,435,177
146,477,037	96,080	194,937,584	35,910,358	596,614,16	402,021,896	1,034,580,717
5,287,618	2,675	6,467,320	2,382,798	10,736,224	18,690,875	31,809,897
1,320,762	966	1,807,614	306,961	3,773,792	3,035,014	7,115,767
3,350,698	1,650	3,679,446	5,777,917	4,354,657	13,449,437	23,582,011
4,254,815	3,151	5,323,910	743,447	7,753,2	10,615,151	18,934,224
5,710,532	3,552	6,204,705	2,832,416	386,840	11,266,933	14,486,189
3,201,725	2,150	3,817,551	545,052	2,205,570	6,852,954	9,604,476
7,903,790	5,009	10,812,112	7,179,848	39,904,780	25,748,094	72,832,722
8,822,679	5,827	10,599,750	2,348,535	13,791,877	20,319,451	36,459,563
1,372,252	905	1,588,298	496,638	5,503,676	5,026,515	11,026,829
1,837,574	1,038	2,052,801	2,513,144	573,635	5,763,244	8,850,023
2,997,005	1,889	3,877,767	1,052,238	11,603,962	9,668,545	22,324,745
13,598,747	7,760	17,877,820	12,658,563	217,516,071	58,325,652	288,500,286
1,160,117	700	1,399,693	771,916	1,100,923	3,493,193	5,366,032
177,613	125	210,754	55,982	152,362	383,826	592,170
2,616,307	1,815	3,426,534	414,430	4,207,405	7,012,849	11,634,684
63,612,237	39,212	79,146,075	40,080,785	323,687,397	199,351,736	563,119,918
10,192,422	5,541	12,928,796	7,053,019	19,059,360	33,206,034	59,318,463
994,127	729	1,551,084	274,789	4,303,021	2,837,800	7,415,610
537,243	392	776,227	389,999	3,752,693	2,008,188	6,150,880
5,458,520	3,258	7,283,119	2,465,076	27,417,467	28,901,802	58,784,345
1,271,875	1,089	2,262,527	365,903	1,475,523	7,765,803	9,607,224
892,362	719	1,464,845	61,551	3,142,522	3,817,893	7,022,266
7,392,288	7,678	13,848,910	546,995	24,263,762	43,500,537	70,291,294
8,732,235	6,722	13,165,757	2,872,533	36,263,849	31,713,802	70,850,184
6,153,678	5,428	10,876,496	526,551	38,322,293	31,063,434	69,912,278
1,688,009	1,060	2,351,244	203,221	5,176,706	6,402,508	11,782,525
620,785	743	1,280,870	54,324	4,786,897	3,894,816	8,736,037
3,883,632	3,262	6,804,806	752,328	28,957,155	23,490,955	53,200,468
1,431,403	1,870	2,885,038	65,866	6,639,897	10,182,450	16,888,213
49,248,579	38,491	77,479,719	15,632,455	205,541,145	228,786,192	419,959,792
556,598	687	796,704	12,351	680,430	1,250,543	1,943,324
142,715	790	1,315,059	25,106	2,677,322	2,714,742	5,325,173
2,500,768	2,645	4,053,617	124,518	6,863,514	8,193,104	15,181,136
2,493,791	1,966	3,301,975	82,731	3,447,013	5,759,715	9,289,459
251,455	207	419,672	25,302	1,034,938	1,110,561	2,231,001
1,581,453	1,426	2,326,043	39,034	3,522,684	5,344,271	8,905,989
1,171,730	803	1,461,664	350,669	169,545	4,213,749	4,733,963
822,968	845	1,145,954	34,789	1,770,414	1,828,888	3,634,092
462,002	432	593,001	17,657	618,799	810,863	1,447,319
1,420,939	1,085	1,831,264	80,021	1,441,455	2,868,189	4,389,665
377,076	362	541,419	12,963	946,017	2,052,780	3,011,760
2,919,688	2,503	3,910,567	162,906	5,869,959	6,683,145	12,716,010
5,462,238	3,923	7,440,830	221,373	9,118,803	12,245,556	21,585,832
1,543,806	1,038	2,183,227	94,994	1,528,525	3,829,354	5,452,873
1,727,081	1,487	2,318,966	70,486	3,050,565	3,586,047	6,707,098
694,254	600	1,077,491	24,391	499,784	1,496,563	2,020,738
821,772	992	1,303,428	32,143	1,214,486	1,951,092	3,197,721
1,256,573	1,203	1,639,592	50,688	1,836,849	2,324,178	4,211,715
373,956	332	644,270	19,868	1,710,390	1,568,187	3,298,445
132,682	188	234,524	1,978	718,151	596,985	1,317,114
27,813,547	23,574	38,542,267	1,494,163	48,778,643	70,328,616	120,601,427
1,611,232,166	1,131,750	2,085,925,966	254,690,759	5,534,280,019	4,292,055,802	10,081,026,589

Subsection 2.—Manufactures Classified on the Standard Classification Basis

To provide information of maximum usefulness and to allow for a direct comparison of statistics, collected by many government departments and agencies, an interdepartmental committee was set up in 1945 to review the different systems of classification in use and to recommend a standard classification to be used by all government departments in their statistical compilations.

Tables 10 and 11 give statistics for 1945 to 1947 of the manufacturing industries on the standard classification basis recommended by the committee. This classification conforms in large measure to that now recommended by the United Nations Statistical Commission.

10.—Principal Statistics of Manufacturing Industries, Classified on the Standard Classification Basis, 1945-47

Year and Group	Estab-	Em-	Salaries	Cost	Net	Gross
	lish-		and	of	Value	Value
	No.	No.	\$	\$	\$	\$
1945						
Food and beverages.....	8,872	156,396	224,908,882	1,336,820,028	558,247,045	1,921,774,601
Tobacco and tobacco products	86	12,164	15,738,041	79,176,519	42,985,992	122,543,932
Rubber products.....	55	23,490	39,111,477	78,500,892	98,836,225	181,413,226
Leather products.....	706	34,123	43,268,635	95,006,015	71,297,713	167,888,463
Textile products (except clothing).....	655	65,388	87,454,497	213,589,559	163,973,427	385,741,605
Clothing (textile and fur).....	2,676	99,959	131,478,496	251,899,847	222,307,384	476,754,319
Wood products.....	7,656	93,209	119,833,932	240,482,275	208,979,657	454,447,165
Paper products.....	475	60,819	109,627,174	255,265,326	241,121,150	536,859,861
Printing, publishing and allied trades.....	2,312	43,565	74,257,775	52,655,848	132,385,988	186,945,134
Iron and steel products.....	1,908	169,278	313,966,173	395,624,098	527,473,688	952,482,150
Transportation equipment.....	504	154,844	326,748,794	498,241,686	523,910,119	1,034,666,913
Non-ferrous metal products.....	436	44,221	81,889,942	337,872,041	180,653,076	548,853,026
Electrical apparatus and supplies.....	247	44,129	76,468,795	92,041,030	135,919,899	230,531,874
Non-metallic mineral products.....	700	20,269	32,959,877	41,488,955	76,318,456	130,704,796
Products of petroleum and coal.....	80	11,532	22,904,418	188,899,911	65,637,131	270,166,984
Chemical products.....	986	61,339	107,050,824	228,855,956	252,944,165	498,630,798
Miscellaneous.....	701	24,647	38,105,717	87,248,861	61,324,784	149,964,019
Totals, 1945.....	29,050	1,119,372	1,845,773,449	1,473,668,847	3,561,315,899	8,250,363,866
1946						
Food and beverages.....	8,862	160,821	241,769,865	1,408,818,069	604,120,647	2,040,708,650
Tobacco and tobacco products	95	10,849	14,410,558	79,255,405	39,981,625	119,634,216
Rubber products.....	60	22,055	37,813,363	62,135,578	93,451,248	159,408,113
Leather products.....	776	37,290	49,712,628	108,702,945	82,319,495	192,749,456
Textile products (except clothing).....	711	66,784	94,741,779	214,516,314	177,323,833	400,075,422
Clothing (textile and fur).....	2,988	105,868	146,265,152	285,568,957	263,018,398	551,331,576
Wood products.....	8,846	105,472	142,338,538	297,923,979	256,436,946	560,341,251
Paper products.....	486	67,442	134,320,546	313,410,656	333,819,710	695,085,534
Printing, publishing and allied trades.....	2,404	48,950	86,433,880	65,501,698	154,951,731	222,548,636
Iron and steel products.....	2,086	151,373	279,567,770	337,981,814	461,501,765	824,766,017
Transportation equipment.....	539	100,745	200,097,765	301,206,839	279,333,127	590,128,311
Non-ferrous metal products.....	474	40,855	75,855,699	311,082,975	148,492,336	484,618,453
Electrical apparatus and supplies.....	266	43,998	74,510,479	101,939,272	129,968,926	234,572,653
Non-metallic mineral products.....	833	24,387	39,651,286	49,957,966	94,591,439	160,476,827
Products of petroleum and coal.....	77	12,106	24,197,354	190,527,903	79,046,757	286,007,855
Chemical products.....	1,031	38,012	67,842,339	179,749,719	208,399,498	401,741,703
Miscellaneous.....	715	21,149	31,158,253	49,954,677	60,247,499	111,497,793
Totals, 1946.....	31,249	1,058,156	1,740,687,254	1,438,234,766	3,467,004,980	8,035,692,471

10.—Principal Statistics of Manufacturing Industries, Classified on the Standard Classification Basis, 1945-47—concluded

Main Groups	Establishments	Employees	Salaries and Wages	Cost of Materials	Net Value of Products	Gross Value of Products
1947						
Food and beverages.....	8,869	167,865	276,245,015	1,656,529,086	695,092,932	2,383,975,675
Tobacco and tobacco products.....	91	10,880	16,234,772	97,121,002	49,221,094	146,793,011
Rubber products.....	60	23,475	46,613,893	82,934,625	110,673,007	196,307,734
Leather products.....	792	35,724	52,628,612	123,894,474	86,646,061	212,430,165
Textile products (except clothing).....	735	73,189	114,913,677	287,310,410	212,555,751	509,518,668
Clothing (textile and fur).....	3,121	110,329	166,951,727	311,018,817	300,527,093	614,594,703
Wood products.....	9,744	120,434	186,467,946	398,854,196	365,050,223	771,403,332
Paper products.....	502	73,445	168,632,394	410,456,570	443,374,435	911,238,813
Printing, publishing and allied trades.....	2,458	52,096	101,611,652	82,585,466	178,667,051	263,632,152
Iron and steel products.....	2,200	162,399	334,044,246	451,289,335	580,342,444	1,064,654,410
Transportation equipment.....	562	104,348	230,898,680	426,573,091	366,151,761	803,611,372
Non-ferrous metal products.....	503	43,344	91,046,568	434,517,197	201,162,856	668,074,514
Electrical apparatus and supplies.....	296	52,736	103,891,016	162,131,266	200,859,040	366,506,203
Non-metallic mineral products.....	863	26,443	50,456,143	66,266,546	115,277,990	201,786,910
Products of petroleum and coal.....	80	12,769	28,689,932	257,420,851	84,073,746	361,333,008
Chemical products.....	1,046	39,237	78,993,517	238,310,157	234,056,973	488,307,293
Miscellaneous.....	812	23,037	37,606,176	47,066,930	68,323,345	116,858,617
Totals, 1947	32,734	1,131,750	2,085,925,966	5,534,280,019	4,292,055,802	10,081,026,580

11.—Principal Statistics of Individual Manufacturing Industries, Classified on the Standard Classification Basis, 1947

Group and Industry	Establishments	Employees	Salaries and Wages	Cost of Materials	Net Value of Products	Gross Value of Products
Food and Beverages.....	8,869	167,865	276,245,015	1,656,529,086	695,092,932	2,383,975,675
Meat Products	234	22,570	45,958,363	412,811,160	79,558,173	495,740,300
Animal oils and fats.....	9	171	383,933	974,180	723,088	1,793,070
Sausage and sausage casings.....	74	673	963,285	5,142,773	1,781,024	7,030,676
Slaughtering and meat-packing.....	151	21,726	44,611,145	406,694,207	77,054,061	486,916,554
Dairy Products	2,175	24,063	37,634,225	291,034,867	84,678,476	382,071,858
Butter and cheese.....	2,037	20,757	32,405,745	238,667,589	66,025,020	309,727,758
Cheese, processed.....	22	923	1,331,793	14,952,439	6,620,931	21,652,421
Condensed milk.....	31	1,569	2,656,429	32,813,066	8,747,387	42,645,351
Other dairy products.....	85	814	1,240,258	4,601,773	3,285,138	8,046,328
Fruit, Vegetable and Fish Processing	1,096	29,079	38,060,148	152,112,883	102,131,393	257,985,583
Fish curing and packing.....	594	12,043	15,860,682	62,780,333	41,081,688	105,272,682
Fruit and vegetable preparations.....	502	17,036	22,199,466	89,332,550	61,349,705	152,712,901
Grain Mill Products	1,265	13,879	24,971,818	388,873,803	67,452,763	459,947,700
Flour and feed mills.....	961	8,285	14,832,059	280,674,476	41,020,372	324,152,457
Foods, breakfast.....	19	1,158	2,238,557	7,815,285	7,196,638	15,242,203
Feeds, stock and poultry.....	285	4,436	7,901,202	100,384,042	19,235,753	120,553,040
Bakery Products	2,986	36,433	54,583,198	98,731,622	101,410,885	205,832,367
Biscuits and crackers.....	44	4,932	6,686,933	18,047,099	20,934,424	40,082,779
Bread and other bakery products.....	2,942	31,501	47,896,265	80,084,523	80,476,461	165,749,588

11.—Principal Statistics of Individual Manufacturing Industries, Classified on the Standard Classification Basis, 1947—continued

Group and Industry	Establishments	Employees	Salaries and Wages	Cost of Materials	Net Value of Products	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Food and Beverages—conc.						
Beverages	564	20,015	39,940,709	80,337,592	166,005,495	251,030,022
Aerated and mineral waters	456	5,827	9,502,452	20,248,739	34,555,806	55,882,194
Distilleries	18	4,088	7,874,156	28,557,924	38,191,901	68,378,349
Breweries	61	9,378	21,067,092	25,871,001	86,800,811	114,546,810
Wine	29	722	1,497,009	5,659,928	6,456,977	12,222,669
Miscellaneous Foods	549	21,826	35,096,554	232,627,159	93,555,747	331,367,845
Confectionery, cocoa, etc.	194	9,345	12,718,309	40,556,696	35,491,447	76,854,863
Sugar refineries	11	3,093	6,309,481	63,883,259	14,204,767	80,194,369
Malt mills	11	596	1,333,642	13,657,524	4,092,834	18,421,822
Macaroni, vermicelli, etc.	18	703	1,133,224	3,468,816	2,382,209	5,963,158
Starch and glucose	10	1,082	2,249,690	12,946,077	4,469,312	18,199,676
Miscellaneous food industries	303	7,005	11,153,337	94,412,054	32,332,238	127,439,940
All other industries	2	89	198,870	3,702,732	582,940	4,294,017
Tobacco and Tobacco Products						
Tobacco	91	10,880	16,234,772	97,121,002	49,221,09	146,793,011
Tobacco, cigars and cigarettes	75	9,371	14,032,054	48,785,199	43,185,902	92,278,522
Tobacco processing	16	1,506	2,202,718	48,335,803	6,035,192	54,514,489
Rubber Products (including footwear)	60	23,475	46,613,892	82,934,625	110,673,00	196,307,734
Leather Products	792	35,724	52,628,612	123,894,474	86,646,061	212,430,163
Boots and shoes, leather	295	21,432	30,039,570	57,444,767	46,201,865	104,147,182
Boot and shoe findings, leather	26	635	1,057,032	1,361,682	1,549,336	3,021,495
Gloves and mittens, leather	84	2,829	3,297,787	6,345,174	5,232,984	11,627,892
Belting, leather	15	248	448,097	1,434,726	958,724	2,412,576
Leather tanneries	81	5,574	10,679,875	46,220,085	21,938,986	69,240,166
Miscellaneous leather goods	291	5,005	7,106,247	11,088,039	10,764,166	21,980,854
Textile Products (except clothing)	735	73,189	114,913,671	287,310,410	212,555,751	509,518,668
Cotton Goods	211	28,302	41,629,581	120,205,792	67,696,225	191,232,544
Thread	95	1,337,638	4,164,635	2,785,250	7,028,377	
Yarn and cloth	45	24,085	35,444,411	99,599,158	55,460,985	158,272,431
Batting and wadding	7	396	851,282	2,695,322	1,751,761	4,510,332
Cotton and wool waste	28	496	804,135	4,538,557	1,649,912	6,255,364
Cotton goods, n.e.s.	124	2,366	3,192,111	9,208,118	5,958,306	15,216,040
Woollen Goods	206	18,592	29,371,352	67,236,086	55,724,48	125,039,169
Cloth	95	10,185	15,917,445	34,853,119	29,507,756	65,507,368
Yarn	55	4,810	6,859,561	17,489,930	12,667,257	30,577,163
Woollen goods, n.e.s.	36	2,241	4,154,255	10,922,536	8,854,732	20,130,381
Carpets, mats and rugs	20	1,347	2,440,096	3,970,501	4,694,742	8,824,257
Synthetic Textiles and Silk	40	14,728	24,284,463	32,659,919	49,809,478	84,869,922
Other Primary Textiles	87	4,582	7,560,007	7,381,181	12,512,333	20,841,302
Dyeing and finishing of textiles	44	2,418	4,504,975	2,156,938	7,513,908	10,484,634
Narrow fabrics	43	2,164	3,055,032	5,224,243	4,998,431	10,356,668
Miscellaneous Textile Products	191	6,981	12,063,274	59,827,432	26,903,220	87,485,731
Awnings, tents and sails	96	1,392	2,142,049	4,723,190	2,761,692	7,552,399
Cordage, rope and twine	10	1,607	2,837,339	11,053,378	6,999,873	18,229,405
Cotton and jute bags	32	1,571	2,282,256	32,389,892	6,672,546	39,136,940
Flax products	33	361	514,749	.....	1,470,244	1,519,311
Linen goods	4	176	238,582	691,417	278,807	979,288
Miscellaneous textiles, n.e.s.	16	1,874	4,053,299	10,969,555	8,720,058	20,068,388
Clothing (Textile and Fur)	3,121	110,329	166,951,727	311,018,817	300,527,093	614,594,703
Men's, Women's and Children's Clothing	1,979	66,754	103,584,377	191,411,735	185,063,514	377,523,005
Men's, factory	566	29,817	45,486,784	98,082,593	84,575,371	183,166,033
Women's, factory	1,169	30,969	50,357,121	92,713,574	91,158,213	184,305,430
Contractors, men's	150	4,563	5,968,952	512,886	7,034,561	7,624,312
Contractors, women's	94	1,405	1,771,520	102,682	2,297,369	2,427,230
Knit Goods	262	26,511	35,646,663	59,557,427	66,851,127	127,837,570

11.—Principal Statistics of Individual Manufacturing Industries, Classified on the Standard Classification Basis, 1947—continued

Group and Industry	Establishments	Employees	Salaries and Wages	Cost of Materials	Net Value of Products	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Clothing (Textile and Fur)—concluded						
Miscellaneous Clothing.....						
Corsets.....	880	17,064	27,720,687	60,049,65	48,610,45	109,234,128
Gloves and mittens, fabric.....	40	3,259	4,093,288	6,276,12	7,800,36	14,121,811
Fur goods.....	616	6,094	11,406,564	36,912,92	20,450,22	57,541,628
Fur dressing and dyeing.....	24	1,359	2,353,951	781,59	3,649,571	4,530,478
Hats and caps.....	169	5,167	8,286,601	12,746,222	13,845,85	26,813,519
Oiled and waterproofed clothing.....	15	477	831,940	1,934,849	1,649,89	3,599,625
Gloves and mittens, fabric.....	16	705	748,343	1,397,946	1,214,54	2,627,067
Wood Products.....						
Saw and Planing Mills.....						
Flooring, hardwood.....	7,786	78,755	120,537,096	289,413,36	259,589,16	553,888,498
Veneer and plywood.....	23	1,466	2,185,609	5,832,736	4,224,80	10,182,222
Planing mills, sash and door factories.....	36	5,990	10,729,456	17,852,712	25,769,317	44,073,514
Sawmills.....	1,246	15,874	24,261,579	57,184,102	39,071,060	97,499,464
Furniture.....	6,481	55,425	83,360,452	208,543,819	190,514,978	402,133,298
Miscellaneous Wood Products.....	1,016	24,781	41,277,665	59,277,186	65,490,30	126,198,873
Boxes and baskets, wooden.....	912	16,898	24,653,185	50,163,64	39,979,75	91,315,961
Coffins and caskets.....	182	4,842	7,077,186	11,992,701	10,826,081	23,697,717
Beekeepers' and poultry-men's supplies.....	52	1,298	1,914,460	2,386,344	2,980,88	5,441,549
Excelsior.....	12	142	147,830	258,585	428,32	696,580
Cooperage.....	11	172	242,559	237,736	373,43	630,673
Lasts, trees and other wood-en shoe findings.....	71	919	1,485,941	4,017,23	2,865,841	6,951,196
Refrigerators.....	18	725	1,017,800	912,497	1,505,14	2,449,691
Woodensware.....	15	539	849,367	1,161,02	1,386,01	2,569,672
Wood turning.....	31	860	1,092,750	850,42	1,380,39	2,266,905
Other wood products incl. charcoal and wood preservation.....	86	1,807	2,384,216	2,816,132	3,517,82	6,414,061
Paper Products.....	434	5,594	8,441,076	25,530,967	14,715,810	40,797,917
Boxes and bags, paper.....	502	73,445	163,632,391	410,456,571	413,374,43	911,238,813
Pulp and paper.....	165	12,227	19,390,377	53,059,80	37,889,85	91,641,607
Roofing paper, wallboard, etc.	115	49,946	129,477,995	295,444,33	356,084,90	706,971,628
Miscellaneous paper products, incl. wall paper.....	21	2,183	4,236,232	14,324,19	12,584,00	27,405,316
Printing, Publishing and Allied Trades.....	2,158	52,096	101,611,65	82,585,460	178,667,051	263,632,152
Printing and bookbinding.....	1,460	20,374	35,305,718	33,596,33	57,432,081	91,869,368
Blue printing.....	28	204	426,635	268,64	771,947	1,055,442
Trade composition.....	41	572	1,351,758	232,74	2,091,78	2,347,215
Printing and publishing.....	771	23,105	46,990,70	34,113,40	90,280,42	125,571,639
Engraving, stereotyping and electrotyping.....	107	3,842	9,662,967	3,670,10	14,105,776	17,952,948
Lithographing.....	51	3,939	7,873,86	10,704,23	13,985,04	24,835,540
Iron and Steel Products.....	2,200	162,399	334,044,246	451,289,335	580,312,441	1,064,651,410
Agricultural implements.....	61	16,013	31,244,006	49,799,417	38,162,131	89,423,469
Boilers and plate work.....	49	5,598	12,535,96	14,637,411	20,525,11	35,775,822
Bridge and other structural shapes.....	26	7,178	16,132,591	22,160,375	29,674,022	52,559,258
Hardware, tools and cutlery.....	288	14,934	28,904,293	25,033,95	53,028,657	79,536,832
Heating and cooking apparatus.....	99	7,853	14,898,388	17,181,317	27,024,610	44,901,382
Machinery.....	322	29,920	61,969,692	74,101,757	124,576,615	201,894,754
Castings, iron.....	216	18,167	38,201,506	36,201,211	63,687,150	102,515,842
Machine shops.....	509	5,469	10,642,887	6,607,900	15,500,634	22,663,008
Primary iron and steel.....	58	26,933	60,285,368	104,532,334	92,870,888	216,275,618
Sheet metal products.....	253	17,637	33,261,819	68,591,605	59,254,654	129,494,950
Wire and wire goods.....	97	6,687	13,911,469	18,278,925	35,266,635	54,563,614
Miscellaneous iron products.....	222	6,010	12,056,264	11,073,124	20,762,334	36,049,861

11.—Principal Statistics of Individual Manufacturing Industries, Classified on the Standard Classification Basis, 1947—continued

Group and Industry	Estab-	Em-	Salaries	Cost	Net	Gross
	lish-	ploys	and	of	Value	Value
	No.	No.	\$	\$	\$	\$
Transportation Equipment	562	104,348	230,898,680	426,573,091	366,151,761	803,611,372
Aircraft.....	12	9,374	21,422,060	16,190,747	27,363,190	44,303,576
Bicycles.....	9	740	1,322,412	1,869,130	2,142,541	4,090,164
Boats and canoes.....	225	1,807	2,628,904	2,206,823	3,126,214	5,432,514
Automobiles.....	9	23,837	58,407,977	226,845,132	111,740,607	340,918,195
Automobile parts and accessories.....	128	17,487	36,559,864	65,430,940	64,028,974	131,534,939
Railway rolling-stock.....	37	28,526	61,754,235	73,076,408	82,389,093	159,283,149
Shipbuilding and repairs.....	74	21,119	46,457,707	37,263,603	71,213,925	110,131,129
Carriages, wagons and sleighs.....	56	668	1,030,462	1,013,986	1,532,475	2,591,536
Automobile accessories, fabric.....	12	790	1,315,059	2,676,322	2,614,742	5,326,170
Non-ferrous Metal Products	503	43,344	91,046,568	431,517,197	201,162,856	668,074,514
Aluminum products.....	81	5,827	11,208,312	20,203,350	18,615,289	39,849,383
Brass and copper products.....	161	10,417	21,227,616	60,387,706	34,595,129	96,549,840
Jewellery, electro-plated ware, etc.....	176	5,679	10,193,396	18,457,579	16,842,801	35,552,401
Non-ferrous metal smelting and refining.....	16	17,449	40,767,871	308,267,931	115,798,652	453,033,942
White metal alloys.....	47	3,097	6,024,239	24,256,664	12,647,940	37,435,177
Miscellaneous non-ferrous metal prod.....	22	875	1,625,134	2,943,967	2,663,045	5,653,771
Electrical Apparatus and Supplies	296	52,736	103,891,016	162,131,266	200,859,040	366,506,203
Non-metallic Mineral Products	863	26,143	50,456,143	66,266,546	115,277,990	201,786,910
Abrasives products.....	16	2,675	6,467,320	10,736,224	18,690,875	31,809,897
Asbestos products.....	14	966	1,807,614	3,773,792	3,035,014	7,115,767
Cement.....	8	1,650	3,879,446	4,354,657	13,449,437	23,582,011
Cement products.....	297	3,151	5,323,910	7,875,623	10,315,154	18,934,224
Clay products—						
Domestic.....	124	3,552	6,204,705	386,840	11,266,933	14,486,189
Imported.....	33	2,150	3,817,551	2,205,570	6,852,954	9,604,476
Sand-lime brick.....	4	125	210,754	152,362	383,826	592,170
Glass products.....	96	5,827	10,599,750	13,791,877	20,319,451	36,459,863
Gypsum products.....	10	905	1,588,298	5,503,676	5,026,515	11,026,829
Lime.....	42	1,038	2,052,801	573,635	5,763,244	8,850,023
Salt.....	10	700	1,399,693	1,100,923	3,493,193	5,366,032
Stone, monumental and ornamental.....	151	1,815	3,426,534	4,207,405	7,012,849	11,634,684
Other non-metallic mineral products.....	58	1,889	3,877,767	11,603,962	9,668,545	22,324,745
Products of Petroleum and Coal	80	12,769	28,689,932	257,420,851	81,073,746	361,333,008
Coke and gas products.....	34	5,009	10,812,112	39,904,780	25,748,094	72,832,722
Petroleum products.....	46	7,760	17,877,820	217,516,071	58,325,652	288,500,286
Chemical Products	1,046	39,237	78,993,517	238,310,157	234,056,973	488,307,293
Acids, alkalies and salts.....	31	5,541	12,928,796	19,059,360	33,206,084	59,318,463
Fertilizers.....	31	3,258	7,283,119	27,417,467	28,901,802	55,784,345
Medicinal and pharmaceutical preparations.....	213	7,678	13,848,910	26,243,762	43,500,537	70,291,294
Paints, pigments and varnishes.....	109	5,428	10,876,496	38,322,293	31,063,434	69,912,278
Plastics, primary.....	10	1,060	2,351,244	5,176,706	6,402,598	11,782,525
Soaps, washing compounds, etc.....	166	3,262	6,804,806	28,957,155	23,490,985	53,200,468
Toilet preparations.....	100	1,870	2,885,038	6,639,897	10,182,450	16,888,213
Vegetable oil mills.....	15	746	1,513,798	32,769,012	5,270,781	38,347,501
Miscellaneous Chemicals—						
Inks, printing and writing.....	32	719	1,464,845	3,142,522	3,817,893	7,022,266
Adhesives.....	26	729	1,551,084	4,303,021	2,837,800	7,415,610
Polishes and dressings.....	55	743	1,280,870	4,786,897	3,894,816	8,736,037
Coal tar distillation.....	11	392	776,227	3,752,693	2,008,188	6,150,880
Gases, compressed.....	44	1,089	2,262,527	1,475,523	7,765,803	9,607,229
Miscellaneous chemicals, n.e.s.....	203	6,722	13,165,757	36,263,849	31,713,802	70,850,184

11.—Principal Statistics of Individual Manufacturing Industries, Classified on the Standard Classification Basis, 1947—concluded

Group and Industry	Estab-	Em-	Salaries	Cost	Net	Gross
	lish-	ployees	and	of	Value of	Value of
	No.	No.	\$	\$	\$	\$
Miscellaneous Manufacturing Industries						
Brooms, brushes and mops	812	23,037	37,606,176	47,066,930	68,323,345	116,858,617
Fountain pens and pencils	89	2,645	4,053,617	6,863,514	8,193,104	15,181,136
Musical instruments	10	1,426	2,326,043	3,522,684	5,344,271	8,905,989
Plastic products, fabricated	25	1,085	1,831,264	1,441,455	2,868,189	4,389,665
Scientific and professional equipment	81	2,503	3,910,567	5,869,959	6,683,145	12,716,010
Sporting goods	71	3,923	7,440,830	9,118,803	12,245,656	21,585,832
Toys and games	56	1,487	2,318,966	3,050,565	3,586,047	6,707,098
Typewriter supplies	47	1,203	1,639,592	1,836,849	2,324,178	4,211,715
Other miscellaneous industries—	8	332	644,270	1,710,390	1,568,187	3,298,445
Statuary, art goods and novelties	100	992	1,303,428	1,214,486	1,951,092	3,197,721
Lamps, electric and lamp shades	42	845	1,148,954	1,770,414	1,828,889	3,634,092
Artificial flowers and feathers	41	687	796,704	680,430	1,250,543	1,943,324
Signs, electric, neon and other	42	1,038	2,183,227	1,528,525	3,829,354	5,452,873
Hair goods, animal and human	22	253	378,968	964,609	609,471	1,583,360
Umbrellas	7	188	234,524	718,151	596,985	1,317,114
Tobacco pipes and other smokers' supplies	13	362	541,419	946,017	2,052,780	3,011,760
Buttons	29	1,966	3,301,975	3,447,013	5,759,715	9,289,459
Stamp and stencils, rubber and metal	45	600	1,077,491	499,784	1,496,563	2,020,738
Jewellery cases, etc.	12	432	593,001	618,799	810,863	1,447,319
Ice, artificial	60	803	1,461,664	169,545	4,213,749	4,733,963
Candles	12	267	419,672	1,094,938	1,110,564	2,231,004
Totals, All Industries	32,734	1,131,750	2,085,925,966	5,534,280,019	4,292,055,802	10,081,026,580

Subsection 3.—Manufactures Classified by the Purpose of the Products

Significant changes have occurred since 1933 in the type and variety of Canadian manufacturing production. On the basis of the percentage of gross value of production, the most striking change is shown by the food group which fell from 25.2 p.c. of the total in 1933 to 21.2 p.c. in 1939 and 21.2 p.c. in 1947. Another change which emphasizes the greater industrialization of Canada since the war is shown by the increase in the proportion of the producers materials group which rose from 29.4 p.c. in 1933 to 33.2 p.c. in 1947. The industrial equipment group which more than any other factor reflects the increased tempo of manufacturing production also rose from 14.2 p.c. in 1933 to 17.0 p.c. in 1947. There were also increases in the proportion of vehicles and vessels and house furnishings. Declines were reported by the clothing, drink and tobacco, personal equipment and books and stationery groups.

12.—Principal Statistics of Manufacturing Industries, Classified According to Purpose of Principal Product, by Main Groups, Significant Years 1922-47 and in Detail for 1947.

Year and Group	Estab-	Capital	Em-	Salaries	Cost	Gross
	lish-			and	Wages	of
	No.	\$	No.	\$	\$	\$
1922						
Food.....	8,256	343,867,673	66,815	67,738,707	490,731,438	673,794,031
Drink and tobacco.....	496	104,047,461	13,402	13,777,986	33,027,203	99,529,819
Clothing.....	659	166,336,319	63,441	59,056,687	117,015,780	221,903,467
Personal utilities.....	936	56,060,262	16,904	17,080,049	21,879,031	57,258,476
House furnishings.....	600	75,168,053	18,032	19,861,883	24,956,960	62,961,050
Books and stationery.....	1,557	82,240,691	28,103	36,920,804	27,190,071	99,118,969
Vehicles and vessels.....	1,154	191,257,801	30,067	37,237,412	87,840,814	160,624,079
Producers materials.....	5,588	1,058,692,015	143,354	147,581,011	316,400,400	666,241,271
Industrial equipment.....	1,740	556,862,578	75,269	89,081,303	160,035,399	338,882,958
Miscellaneous.....	30	4,960,434	869	1,061,388	2,964,354	4,916,418
Totals, 1922.....	21,016	2,667,493,290	456,256	489,397,230	1,282,041,450	2,385,230,538¹
1929						
Food.....	8,351	463,984,558	94,707	87,960,036	597,396,238	837,986,384
Drink and tobacco.....	599	201,365,785	18,976	21,670,376	65,440,053	208,968,998
Clothing.....	1,680	223,376,104	93,935	88,914,849	172,726,557	336,452,685
Personal utilities.....	380	56,155,234	11,148	13,595,331	29,389,246	61,191,750
House furnishings.....	600	76,185,921	20,857	23,248,775	34,293,465	77,811,331
Books and stationery.....	1,917	144,222,275	38,141	56,003,183	45,384,362	155,947,960
Vehicles and vessels.....	781	310,942,038	61,835	91,239,185	243,258,350	407,947,648
Producers materials.....	6,227	1,776,758,115	223,071	258,255,079	524,193,104	1,154,908,260
Industrial equipment.....	1,576	719,112,914	99,922	131,820,142	304,581,449	614,827,756
Miscellaneous.....	105	32,789,065	3,939	4,584,261	13,007,989	27,403,344
Totals, 1929.....	22,216	4,004,892,009	665,531	777,291,217	2,029,670,813	3,883,446,116
1933						
Food.....	8,759	408,995,499	75,434	68,652,798	313,760,942	492,729,174
Drink and tobacco.....	670	185,612,678	18,289	17,626,141	40,454,300	98,409,638
Clothing.....	1,922	143,382,092	75,363	56,001,234	103,209,050	194,627,734
Personal utilities.....	601	39,681,900	8,938	8,616,372	15,323,848	35,589,961
House furnishings.....	654	66,047,002	15,587	12,887,200	16,022,584	38,684,649
Books and stationery.....	2,170	132,507,101	34,300	42,830,661	28,818,380	103,477,707
Vehicles and vessels.....	479	232,153,513	37,618	35,725,625	56,917,292	120,992,781
Producers materials.....	6,564	1,459,569,284	139,734	126,208,238	252,383,314	573,991,467
Industrial equipment.....	1,819	585,147,285	60,061	64,155,426	133,382,392	277,075,032
Miscellaneous.....	142	23,163,454	3,334	3,544,129	7,516,826	18,497,642
Totals, 1933.....	23,780	3,279,259,838	463,658	436,247,824	967,789,928	1,954,075,185
1937						
Food.....	8,696	441,611,585	96,740	94,656,930	558,118,480	792,271,852
Drink and tobacco.....	668	187,487,631	21,646	24,398,981	68,935,399	152,152,105
Clothing.....	2,158	173,474,299	95,274	79,547,935	148,901,374	271,690,917
Personal utilities.....	634	43,476,516	12,420	12,729,626	28,185,411	55,289,473
House furnishings.....	800	89,293,123	27,446	27,169,931	41,836,387	90,102,397
Books and stationery.....	2,349	137,392,420	40,348	53,453,842	44,257,314	138,673,644
Vehicles and vessels.....	376	245,049,257	55,141	71,890,706	186,070,917	319,250,534
Producers materials.....	6,892	1,482,194,043	208,930	232,733,013	634,232,482	1,221,670,588
Industrial equipment.....	2,086	629,908,231	97,250	119,070,287	280,546,886	551,891,976
Miscellaneous.....	175	31,440,726	5,256	6,075,786	15,842,137	32,436,014
Totals, 1937.....	24,834	3,465,227,831	660,451	721,727,037	2,006,926,787	3,625,459,500
1939						
Food.....	8,529	451,298,489	99,983	101,904,518	526,619,353	784,072,722
Drink and tobacco.....	657	190,313,279	23,489	27,051,038	74,295,571	161,812,439
Clothing.....	2,178	187,495,826	97,220	83,762,588	146,201,614	275,567,762
Personal utilities.....	623	46,866,657	12,623	13,771,704	26,408,179	57,043,684
House furnishings.....	767	63,773,877	27,647	28,447,336	40,525,394	85,809,504
Books and stationery.....	2,452	143,293,147	41,894	56,466,921	47,916,777	144,288,052
Vehicles and vessels.....	364	269,734,181	54,673	72,238,590	141,704,269	266,089,493
Producers materials.....	7,005	1,589,602,852	201,849	226,381,185	559,816,486	1,130,513,177
Industrial equipment.....	1,557	650,305,575	93,235	117,754,260	257,416,596	528,678,121
Miscellaneous.....	183	33,340,303	5,591	7,063,013	15,252,136	34,919,974
Totals, 1939.....	24,805	3,647,024,449	658,114	737,811,153	1,836,159,375	3,474,783,523

¹ For the year 1922 the figures for "Cost of Materials" and "Gross Value of Products" include the value placed on intermediate products used in further processes in the chemical group of industries. For this reason these figures differ slightly from those contained in the other tables of this report.

12.—Principal Statistics of Manufacturing Industries, Classified According to Purpose of Principal Product, by Main Groups, Significant Years, 1922-47 and in Detail for 1947—continued.

Year and Group	Estab-	Em-	Salaries	Cost of	Net Value	Gross Value
	lish-	ployees	and	Materials	of	of
	No.	No.	\$	\$	\$	\$
1944						
Food.....	8,435	136,747	183,795,031	1,271,356,037	408,862,849	1,702,330,839
Drink and tobacco.....	635	28,566	44,140,376	118,405,602	159,387,626	281,731,695
Clothing.....	2,713	117,056	146,623,855	234,018,437	242,324,720	529,230,834
Personal utilities.....	758	18,922	26,130,683	54,417,448	59,949,718	115,502,040
House furnishings.....	908	38,940	58,426,100	83,231,172	100,932,323	187,175,054
Books and stationery.....	2,468	47,319	76,542,070	75,882,848	141,795,037	219,966,613
Vehicles and vessels.....	413	222,604	454,449,952	637,341,589	771,461,866	1,425,588,778
Producers materials.....	8,990	343,035	567,699,762	1,369,160,212	1,142,646,292	2,646,303,770
Industrial equipment.....	2,888	216,279	385,434,071	697,897,961	781,329,304	1,512,623,216
Miscellaneous.....	274	53,414	86,379,470	240,621,050	207,086,275	452,969,680
Totals, 1944	28,483	1,222,882	2,029,621,370	4,832,333,356	4,015,776,010	9,073,692,519
1946						
Food.....	8,307	142,948	208,246,768	1,344,869,257	445,583,247	1,814,909,474
Drink and tobacco.....	658	29,435	48,852,221	144,197,521	201,409,448	349,914,231
Clothing.....	3,401	132,018	179,302,900	344,488,916	313,084,058	660,852,502
Personal utilities.....	831	22,875	33,330,845	72,388,600	74,217,740	147,894,182
House furnishings.....	1,380	46,552	72,474,444	113,497,830	124,634,329	241,541,217
Books and stationery.....	2,591	56,642	98,160,792	100,762,002	183,400,588	286,843,601
Vehicles and vessels.....	466	106,870	209,206,556	318,455,632	323,005,130	653,216,763
Producers materials.....	10,148	320,768	541,037,792	1,260,493,056	1,121,849,111	2,508,083,992
Industrial equipment.....	3,224	191,884	336,655,748	624,737,938	649,538,467	1,306,685,056
Miscellaneous.....	242	8,183	11,409,188	34,313,964	30,282,862	65,751,453
Totals, 1946	31,249	1,058,156	1,749,637,251	4,358,234,766	3,467,001,980	8,035,692,471
1947						
Food.....	8,315	148,550	237,703,999	1,577,292,417	532,589,630	2,138,311,685
Drink and Tobacco.....	655	30,895	56,175,481	177,458,594	215,226,589	397,823,033
Clothing.....	3,541	135,278	201,085,788	375,489,186	353,212,485	732,313,101
Personal Utilities.....	891	21,567	35,881,295	76,658,391	78,052,852	156,165,277
House Furnishings.....	1,572	49,877	85,971,022	134,264,352	146,464,584	284,802,773
Books and Stationery.....	2,654	60,423	115,621,558	128,096,172	212,588,660	343,739,057
Vehicles and vessels.....	482	109,546	239,637,650	441,400,454	410,181,052	863,057,997
Producers materials.....	10,903	354,768	677,273,481	1,710,356,735	1,480,918,545	3,348,222,113
Industrial equipment.....	3,459	210,594	416,792,695	852,124,406	817,657,500	1,708,855,864
Miscellaneous.....	262	10,251	19,782,997	61,139,312	45,172,605	109,732,680
Totals, 1947	32,734	1,131,750	2,083,925,966	5,531,280,019	4,292,055,802	10,081,026,580
1947 -Detail						
Food	8,315	148,550	237,703,999	1,577,292,417	532,589,630	2,138,311,635
Breadstuffs.....	4,191	56,612	87,037,860	448,607,152	192,177,325	650,760,887
Fish.....	594	12,043	15,860,682	62,780,333	41,081,688	105,272,682
Fruit and vegetable preparations.....	502	17,036	22,199,466	89,332,550	61,349,705	152,712,901
Meats.....	225	22,399	45,574,430	411,836,980	78,835,085	493,947,230
Milk products.....	2,175	24,063	37,634,225	291,034,867	84,678,476	382,071,858
Oils and fats.....	9	171	383,933	974,180	723,088	1,793,070
Sugar.....	11	3,003	6,309,481	63,883,259	14,204,767	80,194,369
Miscellaneous.....	608	13,223	22,703,922	208,843,096	59,530,496	271,558,688
Drink and Tobacco	655	30,895	56,175,481	177,458,594	215,226,589	397,823,033
Beverages, alcoholic.....	79	13,466	28,941,248	54,425,925	124,992,712	182,925,159
Beverages, non-alcoholic.....	485	6,549	10,999,461	25,908,667	41,012,783	68,104,863
Tobacco.....	91	10,880	16,234,772	97,121,002	49,221,094	146,793,011
Clothing	3,541	135,278	201,085,788	375,489,186	353,212,485	732,313,101
Boots and shoes, leather.....	295	21,433	30,039,570	57,444,765	46,201,865	104,147,182
Fur goods.....	640	7,453	13,760,515	37,694,519	24,099,800	62,072,106
Garments and personal furnishings.....	2,019	70,013	107,677,665	197,687,860	192,865,877	391,644,816
Gloves and mittens.....	100	3,537	4,046,130	7,743,114	6,447,526	14,254,959
Hats and caps.....	210	5,554	9,083,305	13,426,652	15,096,397	28,756,843
Knitted goods.....	262	26,511	35,646,663	59,557,427	66,851,127	127,837,570
Waterproofs.....	15	477	831,940	1,934,849	1,649,893	3,599,625

12.—Principal Statistics of Manufacturing Industries, Classified According to Purpose of Principal Product, by Main Groups, Significant Years, 1922-47 and in Detail for 1947—concluded.

Industry	Estab-	Em-	Salaries	Cost of	Net Value	Gross Value
	lish-	ployees	and Wages	Materials Used	of Products	of Products
	No.	No.	\$	\$	\$	\$
Personal Utilities	891	21,567	35,881,295	76,658,391	78,052,852	156,165,277
Jewellery and time-pieces.....	176	5,679	10,193,396	18,457,579	16,842,801	35,552,401
Recreational supplies.....	128	3,775	5,789,822	6,328,869	8,778,414	15,308,478
Personal utilities.....	587	12,113	19,898,077	51,871,943	52,431,637	105,304,398
House Furnishings	1,572	49,877	85,971,022	134,264,352	146,461,584	284,802,773
Books and Stationery	2,654	60,423	115,631,558	128,096,172	212,588,660	343,739,057
Vehicles and Vessels	482	109,546	239,637,650	441,400,454	410,181,052	863,057,997
Producers' Materials	10,933	354,769	677,273,481	1,710,356,735	1,480,918,845	3,346,222,113
Farm material.....	31	3,258	7,283,119	27,417,467	28,901,802	58,784,345
Manufacturers materials.....	1,471	216,969	450,867,038	1,166,251,915	981,327,274	2,275,470,472
Building materials.....	8,844	108,984	178,045,240	401,198,106	391,742,553	814,049,300
General materials.....	557	25,558	41,078,069	115,489,247	78,947,216	197,917,996
Industrial Equipment	3,155	210,591	415,792,695	852,124,106	817,657,500	1,708,858,864
Farming equipment.....	73	16,155	31,391,836	50,058,002	38,590,453	90,120,049
Manufacturing equipment.....	340	30,645	62,987,492	75,014,252	126,081,760	203,344,445
Trading equipment.....	155	2,773	5,366,652	3,908,244	11,107,853	15,506,019
Service equipment.....	436	13,891	24,507,628	38,963,395	60,678,168	100,516,396
Light, heat and power equipment.....	447	71,388	145,599,533	435,684,014	306,471,860	766,145,088
General equipment.....	2,008	75,742	146,939,554	248,496,499	274,727,406	533,226,867
Miscellaneous	262	10,251	19,782,997	61,139,312	45,172,605	109,732,680

Table 13 gives the amount and value of each of the principal commodities produced by the manufacturing industries of Canada. Commodities produced in small quantities are not included but the list covers approximately 75 p.c. of total production. For a complete list of products, see Appendix II of this report.

13.—Quantities and Values of Principal Commodities Produced by Manufacturing Industries, Grouped by Purpose, 1947

Group and Commodity	Unit of Measure	Quantity	Value
Food—			
Biscuits, all kinds.....	ton	82,597	35,477,839
Bread, pies, cakes, etc.....	—	—	149,975,546
Butter, factory made.....	lb.	290,955,263	152,936,680
Cheese, factory made.....	"	169,807,947	47,601,192
Confectionery, all kinds.....	"	182,806,032	58,078,331
Cream, sold in dairy factories.....	"	28,871,178	24,341,927
Feed, chopped grain.....	ton	1,431,646	68,729,805
Fish, canned and otherwise prepared.....	—	—	62,798,157
Flour, wheat.....	bbl.	28,383,698	209,629,766
Feeds, stock, and poultry.....	ton	1,839,690	108,702,128
Fruits and vegetables, canned.....	lb.	487,027,420	52,372,243
Ice cream, factory made.....	gal.	21,162,909	27,570,169
Jams, jellies and marmalades.....	lb.	117,112,635	17,574,566
Lard.....	"	52,950,302	11,988,313

13.—Quantities and Values of Principal Commodities Produced by Manufacturing Industries, Grouped by Purpose, 1947—continued

Group and Commodity	Unit of Measure	Quantity	Value
Food—concluded			\$
Meats, canned incl. poultry, pastes, etc.	lb.	116,263,607	30,402,087
Meats, cured	"	397,223,356	120,259,264
Meats, sold fresh	"	829,118,336	188,527,541
Milk, sold in dairy factories	gal.	131,355,501	73,152,304
Milk, evaporated and condensed	lb.	251,164,966	25,937,530
Pickles, sauces and catsup	"	—	14,424,582
Powders, edible	lb.	124,885,476	35,650,204
Sausage, fresh and cured	"	69,635,437	19,277,092
Shortening	"	119,470,951	25,501,668
Sugar, granulated (cane and beet)	"	911,755,198	65,368,978
Tea and coffee, roasted, blended and packed	"	114,383,441	66,419,641
Drink and Tobacco—			
Aerated waters	gal.	69,413,261	48,115,917
Beer, ale, stout and porter	"	160,874,847	194,312,178
Cigarettes	M	15,687,127	220,649,206
Cigars	"	214,745	14,081,505
Spirits, potable, sold (net sales)	Pr gal.	8,854,265	50,670,613
Tobacco, chewing, smoking and snuff	lb.	28,763,984	48,646,481
Tobacco, raw leaf, processed	"	120,092,223	54,514,489
Wine, sold	gal.	4,976,060	10,712,855
Clothing—			
Coats and overcoats, men's, boys' and women's	No.	2,527,155	94,795,540
Dresses, women's and misses'	"	10,455,683	57,362,440
Footwear, leather	pr.	30,592,765	97,279,273
Footwear, rubber	"	24,558,560	35,927,326
Hats and caps, men's and boys'	doz.	827,955	12,151,624
Hats, women's	"	369,113	9,822,982
Hosiery, all kinds	doz. pr.	9,126,836	55,224,777
Shirts, fine and work	doz.	1,214,075	24,572,875
Suits, men's and boys'	No.	2,168,412	50,344,804
Suits, women's and misses'	"	693,964	13,949,158
Underwear	doz.	3,683,610	28,820,644
Uniforms, woollen	—	—	3,526,980
Personal Utilities—			
Bags, leather	—	—	10,055,012
Jewellery	—	—	9,951,899
Pianos, organs and parts	—	—	2,809,142
Plated ware, all kinds	—	—	11,857,136
Radio sets and accessories ¹	—	—	50,663,874
Soap	—	—	34,556,121
Spurring goods	—	—	8,804,243
Toilet preparations and perfumes	—	—	15,296,407
Toys and games	—	—	6,542,442
House Furnishings—			
Blankets, all kinds	lb.	9,761,654	9,661,942
Brooms and brushes	—	—	13,600,246
Carpets, mats and rugs	—	—	8,225,830
Furniture, household, incl. beds and couches	—	—	76,241,280
Kitchenware	—	—	10,981,612
Mattresses	No.	1,052,173	14,626,606
Mops	—	—	1,818,034
Springs, bed and other furniture	—	—	8,928,656
Stoves, coal, wood, electric and gas	—	—	29,926,865
Books and Stationery—			
Advertising matter, printed	—	—	21,931,666
Books and catalogues, printed	—	—	14,816,125
Circular letters, bank notes, etc., printed	—	—	11,056,305
Periodicals, printed for publishers	—	—	13,612,157
Periodicals, printed by publishers—			
Subscriptions and sales	—	—	35,213,241
Gross revenue from advertising	—	—	71,442,800
Sheet forms, commercial, printed	—	—	23,079,402

¹ Includes excise taxes on tobacco products and prime cost of spirits. ² See also Radio communication equipment under "Miscellaneous".

13.—Quantities and Values of Principal Commodities Produced by Manufacturing Industries, Grouped by Purpose, 1947—concluded

Group and Commodity	Unit of Measure	Quantity	Value
Vehicles and Vessels—			\$
Aircraft, including parts and repairs.....	No.	90,758	40,148,078
Automobiles, commercial.....	"	167,257	116,357,486
Automobiles, passenger.....	"	—	182,161,183
Automobile parts and accessories, incl. tires, etc.....	—	—	270,036,257
Cars, locomotives, and parts.....	—	—	51,130,957
Ships and ship repairs.....	—	—	125,566,751
Miscellaneous—			
Abrasives, artificial.....	—	—	21,613,419
Bags, cotton and jute.....	doz.	12,423,395	33,762,600
Bags, paper.....	—	—	19,602,560
Bars, iron and steel, hot rolled.....	net ton	473,430	38,949,914
Batteries, electric, and parts.....	—	—	22,304,010
Blooms, billets and slabs.....	net ton	393,525	18,354,265
Boilers, heating and power.....	—	—	10,916,700
Boxes, paper and wood.....	—	—	85,688,260
Calcium and sodium compounds.....	—	—	26,267,730
Cans, tin.....	—	—	52,061,837
Castings, iron (made for sale).....	ton	246,318	39,597,433
Coke.....	"	3,514,151	39,339,891
Cotton fabrics.....	—	—	84,511,298
Enamels, lacquers and varnishes.....	—	—	29,304,266
Explosives.....	—	—	10,125,766
Farm implements and parts.....	—	—	79,966,899
Ferro-alloys.....	—	—	20,264,044
Forgings, steel and other.....	—	—	11,199,221
Gas, sold.....	M cu ft.	22,947,000	22,435,440
Gases, compressed and liquefied.....	—	—	15,468,475
Gasoline.....	imp. gal.	1,074,549,865	143,342,382
Glass, pressed and blown.....	—	—	22,049,023
Hardware, builders' and other.....	—	—	16,020,158
Leather, shoe.....	—	—	49,877,375
Lumber, sawn, rough and planed.....	—	—	359,014,043
Machinery, including industrial, household and business.....	—	—	276,382,300
Medicines and pharmaceuticals.....	—	—	56,491,282
Oil, fuel and gas.....	imp. gal.	1,098,250,412	81,226,505
Paints, mixed, ready for use.....	"	10,023,399	31,449,632
Paper, newsprint, wrapping and book.....	—	—	396,207,262
Paper boards.....	—	—	74,915,382
Pipes and fittings, iron and steel.....	—	—	36,214,439
Plastics, primary.....	—	—	11,782,525
Plates, sheets, etc., iron and steel.....	net ton	683,428	54,376,477
Pulp, wood, made for sale.....	short ton	2,003,467	199,761,874
Radio communication equipment.....	—	—	5,563,548
Refrigerators, electric.....	No.	111,962	20,311,644
Rods and bars, brass, bronze, etc.....	lb.	239,663,038	10,831,141
Rods, copper wire.....	"	130,145,851	26,904,210
Rolled iron and steel forms, semi-finished.....	net ton	393,525	18,354,265
Sash, doors and other millwork.....	—	—	39,620,144
Scientific and professional equipment.....	—	—	21,585,832
Synthetic silk fabrics and mixtures, woven, continuous filament.....	yd.	64,614,667	41,184,424
Smelter and refinery products.....	—	—	453,033,942
Spun rayon fabrics and mixtures.....	yd.	15,762,148	8,931,654
Steel ingots and castings (sold).....	net ton	152,113	25,260,293
Steel shapes erected, bridge, etc.....	—	—	31,475,866
Steel shapes, structural, made in primary mills.....	net ton	175,386	10,995,147
Tire fabrics.....	lb.	24,836,912	15,526,741
Tools, all kinds.....	—	—	19,552,683
Twine and rope.....	—	—	21,223,359
Wires and cables, electrical.....	—	—	77,694,607
Wire, wire rope and cable, steel.....	—	—	19,064,109
Woollen cloth, woven and other.....	—	—	56,864,562
Yarn, cotton, synthetic fibres, wool, etc., (made for sale).....	lb.	90,650,864	83,847,581

Subsection 4.—Manufactures Classified by Origin of Materials

The distinction made between farm materials of Canadian and foreign origin is based on whether the materials are indigenous to Canada rather than on their actual source. Thus, the industries included in the foreign origin classes are those

depending upon materials that cannot be grown in Canada, such as tea, coffee spices, cane sugar, rice, rubber, cotton, etc. Industries included in the Canadian origin classes may, however, be using large quantities of imported materials.

The mineral origin group includes, in addition to non-ferrous metals so largely produced in Canada, the manufactures of iron and steel, of petroleum, and of other mineral substances, the raw materials for which are very largely imported. Products of mineral origin, with the exception of fuels, are nearly all durable goods. A high standard of living and advanced industrial organization is usually indicated by a relatively large production and consumption of mineral products. During periods of depression when the production of capital goods is curtailed, employment in the industries of the farm group, which produce mainly consumer goods, exceeds that of the mineral group. The industries of the mineral group in 1943, at the maximum of the war effort, had by far the greatest capital investment, employed the largest number of persons, and paid out the highest amount in salaries and wages. In 1943 the average capital per employee amounted to \$5,441 for the mineral group as compared with \$4,417 for the farm origin group. The mineral group also pays the highest wages. In 1947 the average salary and wage was \$2,092 for the mineral group and \$1,621 for the farm origin group.

14.—Principal Statistics of Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-47.

Year and Origin	Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
1921						
Farm origin.....	8,663	772,791,471	152,488	153,213,763	716,047,892	1,099,279,665
Mineral origin.....	2,806	1,010,517,944	136,837	171,068,497	349,800,585	700,002,097
Forest origin.....	6,873	876,149,932	126,907	147,719,245	245,183,429	544,282,597
Marine origin.....	836	20,304,785	11,157	3,344,348	16,089,332	26,637,962
Wild life origin.....	226	10,837,249	2,944	3,194,213	7,506,169	13,386,266
Mixed origin.....	1,305	204,716,127	57,277	55,927,609	101,563,384	200,718,177
Grand Totals, 1921	20,709	2,895,317,508	487,610	534,467,675	1,436,190,791	2,584,306,761
Farm Origin Group—						
From field crops.....	4,595	525,717,571	89,436	87,789,237	433,443,376	691,513,259
From animal husbandry..	4,068	247,073,900	63,052	65,424,526	282,604,516	407,766,406
Totals, Farm Origin	8,663	772,791,471	152,488	153,213,763	716,047,892	1,099,279,665
Canadian origin.....	8,379	546,231,949	114,514	119,217,657	553,357,883	848,236,237
Foreign origin.....	284	226,559,522	37,974	33,996,106	162,690,009	251,043,428
1929						
Farm origin.....	9,041	969,384,866	181,682	188,306,755	852,606,083	1,396,769,569
Mineral origin.....	3,219	1,550,662,908	218,879	304,027,803	678,683,203	1,392,499,368
Forest origin.....	7,353	1,148,558,242	163,863	191,044,307	313,088,964	722,269,066
Marine origin.....	730	28,644,442	16,367	5,411,855	21,496,859	34,966,260
Wild life origin.....	234	14,338,686	3,767	4,783,323	12,847,817	20,861,039
Mixed origin.....	1,639	293,302,865	81,973	83,717,174	150,947,887	316,080,314
Grand Totals, 1929	22,216	1,001,892,008	665,531	777,291,217	2,029,679,813	3,883,445,116
Farm Origin Group—						
From field crops.....	5,191	607,206,163	114,236	115,201,292	496,842,580	\$89,075,246
From animal husbandry..	3,850	272,173,703	67,446	73,105,463	355,763,503	507,694,323
Totals, Farm Origin	9,041	969,384,866	181,682	188,306,755	852,606,083	1,396,769,569
Canadian origin.....	8,743	708,461,549	134,680	140,340,993	682,056,026	1,106,006,184
Foreign origin.....	298	269,923,317	47,002	47,965,762	170,559,057	299,763,385

¹ For the year 1924 the figures for "Cost of Materials" and "Gross Value of Products" include the value placed on intermediate products used in further processes in the chemical group of industries. For this reason these figures differ slightly from those contained in the other tables of this report.

14.—Principal Statistics of Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-47—continued.

Year and Origin	Estab- lish- ments	Capital	Em- ployees	Salaries and Wages	Cost of Materials	Gross Value of Products
						\$
1933						
Farm origin.....	9,605	844,582,058	158,602	137,711,749	454,882,704	791,956,470
Mineral origin.....	3,539	1,306,641,651	130,565	138,101,092	271,434,337	601,428,003
Forest origin.....	7,796	882,445,602	102,807	99,046,012	133,550,374	335,886,257
Marine origin.....	620	15,532,775	4,064	2,287,385	10,960,289	17,380,323
Wild life origin.....	335	10,507,157	3,498	3,481,585	7,159,079	13,000,927
Mixed origin.....	1,795	219,550,595	69,122	55,619,701	89,802,145	194,423,805
Grand Totals, 1933....	23,780	3,279,259,838	468,658	436,247,824	967,788,928	1,954,075,785
Farm Origin Group—						
From field crops.....	5,746	609,044,529	93,433	81,655,182	263,007,043	494,048,930
From animal husbandry.....	3,949	235,537,529	65,169	56,050,567	191,875,661	297,907,540
Totals, Farm Origin....	9,695	844,582,058	158,602	137,711,749	454,882,704	791,956,470
Canadian origin.....	9,373	629,450,643	124,547	107,807,386	365,559,776	620,197,449
Foreign origin.....	322	215,131,415	34,055	29,904,363	89,322,928	171,759,021
1937						
Farm origin.....	10,139	901,539,200	203,908	197,861,819	809,964,706	1,276,249,283
Mineral origin.....	3,384	1,401,562,788	216,859	280,323,383	784,742,328	1,451,202,762
Forest origin.....	8,392	916,530,485	144,597	161,630,221	254,863,829	589,517,795
Marine origin.....	597	18,130,385	5,427	3,354,771	16,318,781	26,088,625
Wild life origin.....	365	13,328,164	4,264	4,452,918	10,761,233	17,658,867
Mixed origin.....	1,957	214,136,806	85,296	74,703,925	130,275,910	264,742,168
Grand Totals, 1937....	24,834	3,465,227,831	660,151	721,727,037	2,006,926,787	3,625,459,500
Farm Origin Group—						
From field crops.....	6,197	635,995,955	118,765	115,999,546	456,791,911	774,683,154
From animal husbandry.....	3,942	265,543,245	85,143	81,862,273	353,172,795	501,566,129
Totals, Farm Origin....	10,139	901,539,200	203,908	197,861,819	809,964,706	1,276,249,283
Canadian origin.....	9,326	673,003,567	158,075	152,070,575	659,488,389	1,008,885,333
Foreign origin.....	813	228,535,633	45,833	45,791,244	150,476,317	267,363,930
1939						
Farm origin.....	10,203	652,929,892	220,210	217,724,965	778,250,125	1,289,993,021
Mineral origin.....	3,474	1,498,265,618	210,752	280,054,303	669,728,573	1,321,444,094
Forest origin.....	8,430	951,016,933	142,091	169,798,503	244,944,997	572,335,960
Marine origin.....	523	21,479,200	5,369	3,628,794	18,114,698	28,816,536
Wild life origin.....	384	14,723,743	4,604	5,396,623	11,592,066	19,961,526
Mixed origin.....	1,791	208,609,063	75,088	70,197,968	113,528,916	242,232,391
Grand Totals, 1939....	24,805	3,647,624,449	658,114	737,811,153	1,836,159,375	3,474,783,528
Farm Origin Group—						
From field crops.....	6,096	649,746,486	124,708	126,311,033	410,994,461	759,964,866
From animal husbandry.....	4,107	303,183,406	95,502	91,413,932	367,255,664	530,028,155
Totals, Farm Origin....	10,203	952,929,892	220,210	217,724,965	778,250,125	1,289,993,021
Canadian origin.....	9,382	699,345,423	171,460	168,260,771	630,779,223	1,011,294,132
Foreign origin.....	821	253,584,469	48,750	49,464,194	147,470,902	278,698,889

14. Principal Statistics of Manufacturing Industries, Classified According to Origin of Material Used, by Main Groups, Significant Years 1924-47 concluded.

Year and Origin	Estab-	Em-	Salaries	Cost	Net Value	Gross Value
	lish-	ployees	and Wages	of Materials	of Products	of Products
	No.	No.	\$	\$	\$	\$
1944						
Farm origin.....	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Mineral origin.....	4,479	634,542	1,208,779,764	2,258,796,792	2,312,260,844	4,708,104,244
Forest origin.....	10,347	186,680	278,171,969	495,531,476	541,521,976	1,082,160,284
Marine origin.....	535	9,664	10,327,695	45,906,542	22,066,801	68,882,879
Wild life origin.....	535	6,190	9,430,191	28,076,572	15,728,926	43,985,177
Mixed origin.....	2,258	98,050	128,195,442	223,007,600	253,202,359	481,828,520
Grand Totals, 1944	28,183	1,222,882	2,029,621,379	1,832,333,356	4,015,776,010	9,073,692,519
Farm Origin Group—						
From field crops.....	6,307	164,514	226,751,705	888,435,918	563,349,320	1,477,008,962
From animal husbandry.....	4,022	123,242	167,904,604	892,578,456	307,645,784	1,211,722,453
Totals, Farm Origin	10,329	287,756	394,716,309	1,781,014,374	870,995,104	2,688,731,415
Canadian origin.....	9,493	225,077	303,293,749	1,507,501,822	668,958,344	2,202,655,904
Foreign origin.....	836	62,679	91,422,560	273,512,552	202,036,760	486,075,511
1946						
Farm origin.....	10,535	302,250	443,471,006	1,876,803,842	991,765,819	2,907,395,097
Mineral origin.....	4,954	406,378	756,332,727	1,430,525,795	1,365,653,544	2,904,496,837
Forest origin.....	11,883	220,446	358,033,891	676,542,601	736,212,028	1,468,630,801
Marine origin.....	586	11,327	13,799,809	68,012,828	31,084,775	100,201,291
Wild life origin.....	617	7,915	12,988,608	40,421,050	22,078,566	62,748,055
Mixed origin.....	2,674	109,840	156,061,213	265,928,650	320,210,248	592,220,390
Grand Totals, 1946	31,219	1,858,156	1,710,687,251	1,358,234,763	3,167,001,986	8,035,692,171
Farm Origin Group—						
From field crops.....	6,326	169,300	251,545,508	992,329,370	653,371,968	1,671,793,471
From animal husbandry.....	4,209	132,950	191,925,498	884,474,472	338,393,851	1,235,601,626
Totals, Farm Origin	10,535	302,250	443,471,006	1,876,803,842	991,765,819	2,907,395,097
Canadian origin.....	9,635	240,961	348,446,141	1,631,721,715	781,589,463	2,412,421,842
Foreign origin.....	897	61,289	95,024,865	245,082,127	210,176,356	464,973,255
1947						
Farm origin.....	10,606	315,449	511,281,052	2,271,551,952	1,144,553,897	3,459,050,833
Mineral origin.....	5,177	437,711	915,689,435	1,981,439,776	1,751,607,057	3,568,575,214
Forest origin.....	12,875	244,608	450,708,391	891,446,938	977,644,628	1,936,345,399
Marine origin.....	594	12,043	15,860,682	62,780,333	41,081,688	105,272,682
Wild life origin.....	640	7,453	13,760,515	37,694,519	24,099,800	62,072,106
Mixed origin.....	2,839	114,486	178,625,891	289,366,501	353,068,732	649,710,346
Grand Totals, 1947	32,731	1,131,759	2,085,925,986	1,534,289,059	1,292,055,802	10,081,026,580
Farm Origin Group—						
From field crops.....	6,461	179,866	293,853,796	1,277,015,277	745,727,295	2,051,395,636
From animal husbandry.....	4,145	135,583	217,427,256	994,536,675	398,826,602	1,407,655,197
Total, Farm Origin	10,606	315,449	511,281,052	2,271,551,952	1,144,553,897	3,459,050,833
Canadian origin.....	9,685	248,016	396,710,099	1,927,186,101	895,498,610	2,855,814,563
Foreign origin.....	921	67,433	114,570,953	344,365,851	249,055,287	603,236,270

Subsection 5.—Manufactures Classified by Type of Ownership

The present study is the second on the type of ownership under which Canadian manufacturers operate. The figures for 1947 include those for the fish curing and packing industry which were not available for the 1946 study. For this reason the figures for the two years are not strictly comparable. However, the inclusion of this industry in 1946 would not have altered materially the percentage distribution of individual ownership, incorporated companies, etc.

Of the 32,734 establishments operating in 1947, 15,195 were under individual ownership, 5,280 were partnerships, 11,222 were incorporated companies and 1,037 were co-operatives. The percentage distribution of the four categories of ownership are given below for the years 1946 and 1947.

<i>Year</i>	<i>Individuals</i>	<i>Partnerships</i>	<i>Incorporated Companies</i>	<i>Co-operatives</i>
1946 (Estimated).....	47.3	16.0	33.4	3.3
1947.....	46.4	16.1	34.3	3.2

As is to be expected the smaller establishments, regardless of the type of products manufactured, are carried on under individual ownership. Industries carried on a small scale contain a large number of establishments in this category, the percentage decreasing as the scale of operations increase, as shown in the following statement.

<i>Group</i>	<i>Average Number of Employees per Establishment</i>	<i>Percentage of Individual Establishments to the Total</i>
Wood and paper products.....	19.1	57.8
Animal products.....	22.9	38.1
Vegetable products.....	23.9	59.0
Miscellaneous industries.....	29.4	32.2
Chemicals and allied products.....	37.3	21.0
Non-metallic mineral products.....	41.6	32.1
Textiles and textile products.....	54.7	26.3
Iron and its products.....	106.7	25.5
Non-ferrous metal products.....	120.0	21.5
ALL GROUPS.....	34.6	46.4

It is therefore found according to Table 15, that in the vegetable products group 59 p.c. of the establishments were in the above category. Wood and paper products had 58 p.c. of its establishments in this classification followed by animal products with 38 p.c., miscellaneous industries 32 p.c., non-metallic mineral products 32 p.c., textiles and textile products 26 p.c., iron and its products 26 p.c., non-ferrous metal products 22 p.c. and chemicals and allied products 21 p.c.

The establishments operating under individual ownership are not as important from the point of view of employment provided as their large numbers would indicate. According to the tables 15 and 16, these establishments which comprised 46 p.c. of the total only had 8 p.c. of the total employees. Partnership accounted for 16 p.c. of the number of establishments and 5 p.c. of the total employees. Incorporated companies with 34 p.c. of the number of establishments had 87 p.c. of the employees. Co-operatives with 3 p.c. of the number had 1 p.c. of the employees.

On the basis of employment provided, incorporated companies are by a very wide margin the most important factor in the employment field. In the chemicals and allied products group 97 p.c. of the employees were reported by such companies. Companies in the non-ferrous metals group had 97 p.c., iron and its products 96 p.c., non-metallic mineral products 93 p.c., miscellaneous industries 87 p.c., textiles 86 p.c., vegetable products 83 p.c., wood and paper products 79 p.c. and animal products 77 p.c. of the total employment.

15.—Percentage Distribution of Establishments in Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1947.

Province or Group	Individual Ownership	Partnerships	Incorporated Companies	Co-opera- tives	Total
	p.c.	p.c.	p.c.	p.c.	p.c.
PROVINCE					
Prince Edward Island.....	56.5	14.2	21.2	8.1	100.0
Nova Scotia.....	57.3	16.7	23.8	2.2	100.0
New Brunswick.....	56.3	13.1	27.2	3.4	100.0
Quebec.....	51.8	13.8	29.5	4.9	100.0
Ontario.....	41.4	17.0	40.3	1.6	100.0
Manitoba.....	42.1	16.2	39.0	2.7	100.0
Saskatchewan.....	57.7	16.7	20.3	5.3	100.0
Alberta.....	49.4	19.1	27.0	4.5	100.0
British Columbia and Yukon.....	34.7	20.8	42.9	1.6	100.0
Totals	46.4	18.1	31.3	3.2	100.0
INDUSTRIAL GROUP					
Vegetable products.....	59.0	13.7	25.1	2.2	100.0
Animal products.....	38.1	13.1	30.0	18.8	100.0
Textiles and textile products.....	26.3	20.2	52.9	0.6	100.0
Wood and paper products.....	57.9	18.0	23.9	0.3	100.0
Iron and its products.....	25.5	15.8	58.3	0.4	100.0
Non-ferrous metal products.....	21.5	14.3	64.2	—	100.0
Non-metallic mineral products.....	32.1	16.1	51.6	0.2	100.0
Chemicals and allied products.....	21.1	8.6	70.0	0.3	100.0
Miscellaneous industries.....	32.2	17.2	50.6	—	100.0

16.—Percentage Distribution of Employment in the Manufacturing Industries, Classified by Type of Ownership, by Provinces and Industrial Groups, 1947.

Province or Group	Individual Ownership	Partnerships	Incorporated Companies	Co-opera- tives	Total
	p.c.	p.c.	p.c.	p.c.	p.c.
PROVINCE					
Prince Edward Island.....	28.2	10.7	53.3	7.8	100.0
Nova Scotia.....	14.4	5.4	78.8	1.4	100.0
New Brunswick.....	13.0	4.4	80.6	2.0	100.0
Quebec.....	9.0	4.8	85.2	1.0	100.0
Ontario.....	5.5	3.8	90.3	0.4	100.0
Manitoba.....	6.7	5.3	86.4	1.6	100.0
Saskatchewan.....	15.6	7.5	66.0	10.9	100.0
Alberta.....	12.2	9.2	75.9	2.7	100.0
British Columbia and Yukon.....	6.3	5.0	86.4	2.3	100.0
Totals	7.5	4.5	87.0	1.0	100.0
INDUSTRIAL GROUP					
Vegetable products.....	11.2	4.3	83.1	1.4	100.0
Animal products.....	10.2	5.8	76.8	7.2	100.0
Textiles and textile products.....	6.7	7.4	85.7	0.2	100.0
Wood and paper products.....	13.9	6.8	78.8	0.5	100.0
Iron and its products.....	2.2	1.5	96.0	0.3	100.0
Non-ferrous metal products.....	1.7	1.7	96.6	—	100.0
Non-metallic mineral products.....	4.1	3.2	92.7	0.0	100.0
Chemicals and allied products.....	2.0	1.0	96.8	0.2	100.0
Miscellaneous industries.....	7.5	5.3	87.2	—	100.0

17.—Percentage Distribution of Employment in the Forty Leading Industries, by Type of Ownership, 1947

Industry	Individual Ownership	Partnerships	Incorporated Companies	Co-oper- atives	Total p.c.
	p.c.	p.c.	p.c.	p.c.	
1 Pulp and paper.....	—	—	100·0	—	100·0
2 Slaughtering and meatpacking.....	1·5	1·9	93·0	3·6	100·0
3 Non-ferrous smelting and refining.....	—	—	100·0	—	100·0
4 Sawmills.....	32·4	13·4	53·9	0·3	100·0
5 Electrical apparatus and supplies.....	0·7	1·2	98·1	—	100·0
6 Automobiles.....	—	—	100·0	—	100·0
7 Flour and feed mills.....	16·8	9·3	70·9	3·0	100·0
8 Butter and cheese.....	15·1	5·3	55·7	23·9	100·0
9 Petroleum products.....	0·1	0·0	99·9	—	100·0
10 Primary iron and steel.....	—	—	100·0	—	100·0
11 Machinery.....	2·4	0·8	96·6	0·2	100·0
12 Rubber goods.....	0·2	0·3	99·5	—	100·0
13 Clothing, women's factory.....	13·6	14·6	71·8	—	100·0
14 Clothing, men's factory.....	8·1	12·0	79·9	—	100·0
15 Bread and other bakery products.....	32·9	9·3	57·3	0·5	100·0
16 Railway rolling-stock.....	—	—	100·0	—	100·0
17 Cotton yarn and cloth.....	0·1	0·2	99·7	—	100·0
18 Fruit and vegetable preparations.....	6·4	5·3	84·4	3·9	100·0
19 Automobile supplies.....	1·2	1·3	96·0	1·5	100·0
20 Sheet metal products.....	3·0	1·9	94·9	0·2	100·0
21 Hosiery and knitted goods.....	1·9	4·2	93·9	—	100·0
22 Miscellaneous food industries.....	7·4	3·1	89·5	—	100·0
23 Furniture.....	10·9	9·2	79·8	0·1	100·0
24 Printing and publishing.....	11·1	2·5	85·3	1·1	100·0
25 Feeds, stock and poultry.....	9·7	5·5	72·5	12·3	100·0
26 Breweries.....	—	—	100·0	—	100·0
27 Shipbuilding and repairs.....	0·6	0·3	99·1	—	100·0
28 Fish curing and packing.....	11·7	5·0	71·8	11·5	100·0
29 Boots and shoes, leather.....	8·8	3·8	87·4	—	100·0
30 Castings, iron.....	3·9	3·0	93·1	—	100·0
31 Planing mills, sash and door factories.....	22·4	10·5	66·9	0·2	100·0
32 Brass and copper products.....	4·9	2·7	92·4	—	100·0
33 Tobacco, cigars and cigarettes.....	3·4	0·5	96·1	—	100·0
34 Printing and bookbinding.....	17·9	9·2	71·3	1·6	100·0
35 Boxes and bags, paper.....	2·0	2·2	95·8	—	100·0
36 Agricultural implements.....	1·1	0·6	97·1	1·2	100·0
37 Synthetic textiles and silk.....	0·4	—	99·6	—	100·0
38 Sugar refineries.....	—	—	100·0	—	100·0
39 Paper goods, miscellaneous.....	3·4	2·0	94·6	—	100·0
40 Hardware, tools and cutlery.....	4·3	3·9	90·5	1·3	100·0

18.—Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of Ownership, 1947

Provinces and Groups	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Canada						
Individual ownership.....	15,195	84,404	108,897,352	8,011,245	289,800,907	489,889,189
Partnerships.....	5,280	50,434	73,302,906	3,806,164	175,193,440	308,431,393
Incorporated companies.....	11,222	985,022	1,886,680,506	240,842,795	4,924,055,983	9,097,306,335
Co-operatives.....	1,037	11,890	16,545,202	2,030,555	145,229,689	185,399,663
Totals	32,734	1,131,750	2,085,935,966	151,690,759	5,534,380,019	10,081,026,580
Prince Edward Island						
Individual ownership.....	147	538	389,908	49,125	1,231,123	2,010,988
Partnerships.....	37	204	150,100	17,771	424,972	748,040
Incorporated companies.....	55	1,016	1,288,728	114,885	6,144,768	8,814,484
Co-operatives.....	21	148	109,731	12,005	809,469	1,079,939
Totals	260	1,906	1,938,467	193,766	8,610,332	12,653,451

18.—Principal Statistics of the Manufacturing Industries of Canada and Each Province, Grouped According to the Type of Ownership, 1947—concluded

Provinces and Groups	Estab-	Em-	Salaries	Cost of Fuel	Cost	Gross Value
	lish-	ploymen-	and wages	and Electricity	of Materials	of Products
	No.	No.	\$	\$	\$	\$
Nova Scotia						
Individual ownership.....	848	4,354	4,403,476	360,179	14,366,599	23,480,846
Partnerships.....	247	1,631	1,081,954	100,258	5,066,305	8,261,540
Incorporated companies.....	353	23,861	39,555,552	7,407,130	89,439,564	169,061,600
Co-operatives.....	32	439	472,054	62,128	2,481,753	3,415,147
Totals.....	1,480	30,785	46,113,036	7,929,695	111,354,221	201,219,433
New Brunswick						
Individual ownership.....	597	3,141	3,078,874	272,827	8,637,270	15,085,452
Partnerships.....	139	1,064	1,184,035	76,025	3,056,665	5,339,561
Incorporated companies.....	289	19,499	34,892,884	7,995,271	100,890,593	183,034,037
Co-operatives.....	36	477	427,600	42,888	3,906,915	4,907,388
Totals.....	1,031	24,181	39,583,393	8,387,011	116,491,443	208,366,438
Quebec						
Individual ownership.....	5,809	34,313	43,426,294	2,938,804	114,659,090	193,182,058
Partnerships.....	1,554	18,050	26,527,412	1,059,491	57,729,560	105,961,551
Incorporated companies.....	3,308	323,324	588,507,839	86,966,301	1,377,938,228	2,656,976,822
Co-operatives.....	552	3,762	4,376,069	631,296	50,678,962	60,928,691
Totals.....	11,223	379,419	662,837,614	91,595,892	1,601,055,810	3,017,049,422
Ontario						
Individual ownership.....	4,876	29,388	41,291,632	3,006,591	113,279,504	188,082,439
Partnerships.....	2,009	20,223	31,474,863	1,603,212	76,185,075	130,519,279
Incorporated companies.....	4,781	485,410	961,125,097	110,737,122	2,430,773,100	4,543,623,221
Co-operatives.....	194	2,560	4,055,122	413,844	31,459,894	41,247,587
Totals.....	11,860	537,581	1,037,976,714	115,760,769	2,651,637,573	4,903,472,526
Manitoba						
Individual ownership.....	595	2,638	3,213,005	248,118	10,899,087	17,021,197
Partnerships.....	229	2,077	2,927,495	183,777	9,015,277	14,320,518
Incorporated companies.....	551	34,035	61,837,347	6,281,943	211,001,684	343,591,498
Co-operatives.....	38	628	998,806	106,579	6,020,205	8,197,068
Totals.....	1,413	39,378	68,972,633	6,820,417	236,936,343	383,130,281
Saskatchewan						
Individual ownership.....	578	1,835	1,805,861	238,568	5,152,557	8,770,687
Partnerships.....	167	886	1,135,053	124,352	4,151,398	6,382,626
Incorporated companies.....	203	7,725	14,823,606	2,910,539	123,974,967	157,530,927
Co-operatives.....	53	1,277	1,897,450	249,198	18,170,099	23,767,959
Totals.....	1,001	11,723	19,661,976	3,522,658	151,419,021	196,452,199
Alberta						
Individual ownership.....	683	2,924	3,541,277	367,427	10,247,346	17,264,921
Partnerships.....	264	2,191	3,125,334	253,962	10,658,256	17,160,091
Incorporated companies.....	373	18,162	33,608,820	3,677,713	170,018,174	248,223,087
Co-operatives.....	62	664	970,740	141,166	11,400,260	13,406,030
Totals.....	1,382	23,941	41,246,171	4,440,268	202,324,036	296,054,129
British Columbia						
Individual ownership.....	1,052	5,250	7,715,521	522,665	11,273,191	24,873,664
Partnerships.....	633	4,105	5,596,310	386,979	8,902,294	19,728,587
Incorporated companies.....	1,306	71,871	150,763,206	14,630,642	413,193,150	785,232,487
Co-operatives.....	49	1,935	3,207,630	371,451	20,302,042	28,449,854
Totals.....	3,040	83,161	167,282,667	15,911,737	453,670,677	858,234,592
Yukon and Northwest Territories						
Individual ownership.....	10	23	31,504	6,941	55,140	116,937
Partnerships.....	1	122	281,777	121,605	635,393	1,227,172
Incorporated companies.....	3					
Totals.....	11	145	313,281	128,546	690,533	1,344,109

19.—Principal Statistics of the Manufacturing Industries of Canada and Industrial Groups, Classified by Type of Ownership, 1947

Industrial Group	Estab-	Em-	Salaries	Cost of Fuel	Cost	Gross Value
	lish-	ploymen-	and wages	and Electricity	of Materials	of Products
	No.	No.	\$	\$	\$	\$
1. Vegetable Products—						
Individual ownership.....	3,560	16,194	19,701,672	2,969,742	78,657,488	118,339,117
Partnerships.....	824	6,233	8,370,545	1,004,815	37,894,867	55,870,485
Incorporated companies.....	1,514	119,942	210,450,936	20,380,388	956,716,681	1,572,067,626
Co-operatives.....	134	1,921	2,631,055	317,294	29,458,329	36,061,553
Totals.....	6,032	144,290	241,154,208	24,672,239	1,102,727,365	1,782,339,081
2. Animal Products—						
Individual ownership.....	1,698	10,398	13,052,948	1,453,422	83,889,424	108,473,238
Partnerships.....	586	5,920	8,946,870	610,481	47,561,864	63,728,947
Incorporated companies.....	1,339	78,396	134,793,067	9,781,312	687,899,796	952,858,699
Co-operatives.....	834	7,392	9,428,480	1,471,625	109,828,875	134,109,587
Totals.....	4,457	102,106	166,221,365	13,316,810	929,179,962	1,259,170,471
3. Textiles and Textile Products—						
Individual ownership.....	845	11,716	16,799,528	316,502	31,477,626	61,899,062
Partnerships.....	651	12,953	20,748,278	331,836	38,305,677	75,638,380
Incorporated companies.....	1,700	150,935	229,861,154	11,708,915	489,075,286	921,325,454
Co-operatives.....	20	461	695,929	66,260	1,776,119	3,178,369
Totals.....	3,216	176,065	268,104,889	12,423,513	560,634,708	1,062,041,265
4. Wood and Paper Products—						
Individual ownership.....	7,512	34,593	40,949,417	2,178,578	77,046,841	151,654,427
Partnerships.....	2,335	16,964	22,175,552	1,051,423	38,117,849	77,444,215
Incorporated companies.....	3,103	195,658	395,105,341	64,109,437	777,806,115	1,718,676,967
Co-operatives.....	35	1,235	2,141,048	91,470	2,146,236	6,522,738
Totals.....	12,985	248,450	460,371,358	67,430,908	895,117,041	1,954,298,347
5. Iron and Its Products—						
Individual ownership.....	630	5,684	9,806,092	471,175	8,179,679	24,070,472
Partnerships.....	391	3,868	6,715,467	279,673	5,114,265	15,580,321
Incorporated companies.....	1,439	253,143	541,959,979	42,902,236	856,839,153	1,810,236,223
Co-operatives.....	9	787	1,486,963	76,409	1,832,198	5,028,546
Totals.....	2,469	263,482	559,968,501	43,729,493	871,965,295	1,854,915,562
6. Non-ferrous Metal Products—						
Individual ownership.....	172	1,652	2,697,835	130,201	2,413,953	6,645,884
Partnerships.....	114	1,618	2,581,323	96,205	3,489,541	7,789,404
Incorporated companies.....	513	92,810	189,658,426	35,683,952	590,744,969	1,020,145,429
Totals.....	799	96,080	194,937,584	37,910,358	596,648,163	1,034,580,717
7. Non-Metallic Mineral Products—						
Individual ownership.....	303	1,617	2,309,898	305,642	2,203,240	6,383,451
Partnerships.....	152	1,263	2,066,672	319,405	1,961,557	5,945,484
Incorporated companies.....	486	36,332	74,769,504	39,455,648	319,522,600	550,790,953
Totals.....	943	39,212	79,146,075	40,080,785	323,637,397	563,119,918
8. Chemicals and Allied Products—						
Individual ownership.....	217	770	1,170,226	73,016	3,662,149	6,089,580
Partnerships.....	89	371	570,510	39,323	937,642	2,084,635
Incorporated companies.....	722	37,266	75,587,389	15,514,691	200,764,947	441,308,772
Co-operatives.....	3	84	151,594	5,425	170,407	476,805
Totals.....	1,031	38,491	77,479,719	15,632,455	205,541,145	419,959,792
9. Miscellaneous Industries—						
Individual ownership.....	258	1,780	2,409,736	112,967	2,270,507	6,333,958
Partnerships.....	138	1,241	1,627,088	72,913	1,810,178	4,340,522
Incorporated companies.....	406	20,550	34,504,843	1,308,288	44,697,958	109,917,947
Totals.....	802	23,574	38,542,267	1,494,168	48,778,643	120,601,427

Subsection 6.—Leading Manufacturing Industries

In the following statement, the rank of the ten leading industries in 1947, from the standpoint of gross value of production, is compared with their respective ranks in significant years since 1922.

<i>Industry</i>	<i>Rank in—</i>							
	1947	1946	1944	1939	1937 ¹	1933	1929	1922
Pulp and paper.....	1	1	5	2	2	1	1	2
Slaughtering and meat packing.....	2	2	1	3	3	3	2	3
Non-ferrous metal smelting and refining.....	3	3	2	1	1	2	9	1
Sawmills.....	4	4	11	8	7	14	5	4
Electrical apparatus and supplies.....	5	7	8	9	8	16	8	17
Automobiles.....	6	9	7	5	4	11	4	6
Flour and feed mills.....	7	5	12	7	5	4	3	1
Butter and cheese.....	8	6	10	4	6	5	6	5
Petroleum products.....	9	8	14	6	9	6	10	9
Primary iron and steel.....	10	13	13	11	12	31	16	20

¹ Did not rank among forty leading industries in 1922.

A prominent feature of Canadian manufacturing development during the past 20 years has been the rapid growth of non-ferrous metal smelting. This industry, based upon the rich base metal resources of the country, has now taken its place among the leading manufactures along with the industries based upon forest, agricultural and live-stock resources. The incidence of the depression resulted in a rearrangement in the ranking of many industries; in some cases this has proved to be temporary. Under the impetus of war production, the industries engaged in producing the equipment needed by the Armed Forces, such as shipbuilding, aircraft, automobiles, miscellaneous chemical products, and primary iron and steel, advanced to higher positions. With the end of the war in 1945, the industries engaged in the production of consumers goods, by reason of the heightened demand for their products, bettered their position. Pulp and paper after a lapse of a number of years resumed its premier position. A notable feature in 1947 was the advance of the primary iron and steel industry from thirteenth to tenth place, automobiles from ninth to sixth place, and electrical apparatus and supplies from seventh to fifth place. Women's factory clothing dropped from tenth to thirteenth place, flour and feed mills from fifth to seventh place, and butter and cheese from sixth to eighth place.

20.—Principal Statistics of the Forty Leading Industries of Canada, Ranked According to Gross Value of Products, 1946

Industry	Estab-	Em-	Salaries	Cost	Net	Gross
	lish-	ployees	and Wages	of Materials	Value of	Value of
	No.	No.	\$	\$	\$	\$
1 Pulp and paper.....	113	44,967	101,364,636	223,448,338	258,164,578	527,814,916
2 Slaughtering and meat packing.....	147	22,536	40,313,025	408,033,456	64,868,839	475,953,154
3 Non-ferrous metal smelting and refining.....	15	14,546	30,648,361	212,865,030	69,565,922	304,718,524
4 Sawmills.....	6,001	49,352	63,811,260	156,107,527	129,408,392	287,910,057
5 Flour and feed mills.....	974	8,036	12,898,160	224,233,698	34,191,283	260,659,451
6 Butter and cheese.....	2,161	19,659	28,668,241	177,638,517	52,761,041	234,664,461
7 Electrical apparatus and supplies.....	266	43,998	74,510,479	101,939,272	129,968,926	234,572,653
8 Petroleum products.....	43	7,145	14,849,141	155,818,744	57,447,611	223,425,380
9 Automobiles.....	9	21,647	43,968,772	135,556,183	55,914,441	193,439,688
10 Clothing, women's factory.....	1,108	29,963	44,985,178	91,138,141	82,818,768	174,353,223
11 Railway rolling-stock.....	37	28,553	57,815,845	83,937,365	74,655,059	162,159,521
12 Rubber goods.....	60	22,055	37,813,363	62,135,578	93,451,248	159,408,113
13 Primary iron and steel.....	59	24,196	50,515,897	68,468,433	71,582,060	153,082,616
14 Clothing, men's factory.....	537	27,822	38,114,332	83,033,566	69,220,286	152,706,971
15 Bread and other bakery products.....	2,864	30,453	42,987,201	70,886,539	72,980,744	148,362,528
16 Machinery.....	299	27,003	50,246,824	50,760,795	93,031,472	145,638,248
17 Fruit and vegetable preparations.....	513	16,373	19,168,778	83,434,146	50,680,350	136,004,138
18 Sheet metal products.....	230	16,858	27,574,233	62,991,981	51,288,120	115,699,555
19 Miscellaneous foods, coffee, tea, etc.....	286	6,893	9,758,181	78,782,164	30,679,894	110,051,938
20 Cotton yarn and cloth.....	41	20,662	29,090,343	62,495,630	44,473,067	109,828,450
21 Breweries.....	61	8,644	17,743,749	23,416,499	84,270,490	109,299,587
22 Hosiery and knitted goods.....	247	24,941	30,210,507	47,270,879	56,681,420	105,208,699
23 Printing and publishing.....	775	21,462	39,846,308	24,573,088	78,659,074	104,305,064
24 Fish curing and packing.....	586	11,327	13,799,809	68,012,828	31,084,775	100,201,291
25 Boots and shoes, leather.....	294	22,334	29,023,596	52,340,814	43,612,607	96,435,251
26 Automobile supplies.....	124	15,348	27,808,618	43,519,483	48,250,348	93,428,899
27 Shipbuilding.....	79	20,246	40,975,731	25,915,348	64,535,796	91,851,460
28 Biscuits, confectionery, cocoa, etc.....	237	13,043	16,651,490	43,982,673	41,581,245	86,714,459
29 Feeds, stock and poultry.....	235	3,971	6,408,326	68,649,226	14,207,938	83,594,177
30 Castings, iron.....	219	16,925	31,381,935	27,446,850	52,484,740	82,278,070
31 Tobacco, cigars and cigarettes.....	78	9,532	12,711,360	45,455,773	36,048,133	81,799,967
32 Planing mills, sash and door factories.....	1,078	14,012	19,628,779	47,501,520	31,424,769	79,920,764
33 Printing and bookbinding.....	1,406	19,376	30,219,639	29,038,267	48,873,014	78,647,105
34 Furniture.....	824	19,217	28,213,893	34,719,631	42,546,833	78,241,125
35 Boxes and bags, paper.....	160	11,975	16,476,657	41,169,182	32,759,600	74,500,862
36 Hardware, tools and cutlery.....	276	15,868	27,259,294	22,823,598	48,915,105	73,059,549
37 Brass and copper products.....	162	10,252	18,425,724	39,983,930	30,874,312	72,056,922
38 Distilleries.....	18	4,075	7,122,533	21,437,733	44,326,434	67,119,358
39 Medicinal and pharmaceutical preparations.....	201	7,670	12,832,173	23,163,222	43,446,027	67,049,834
40 Synthetic textiles and silk.....	36	13,100	18,890,121	24,099,473	39,550,662	65,521,067
Totals, Leading Industries	22,859	766,035	1,264,733,014	3,348,230,120	2,501,306,123	6,001,687,093
Totals, All Industries	31,249	1,058,156	1,710,687,254	4,358,234,766	3,467,004,980	\$8,035,692,471
Percentage of Leading Industries to All Industries.....	73.2	72.4	72.7	76.8	72.2	74.7
Primary Textiles ¹	735	84,030	112,999,701	213,024,628	206,218,026	627,940,062

¹ On a broader classification basis, the primary textile industry, which includes the production of cottons, woollens, synthetic textiles and silk, hosiery and knitted goods, and the dyeing and finishing of textiles, ranks first in number of employees, salaries and wages paid and gross value of production.

21.—Principal Statistics of the Forty Leading Industries of Canada, Ranked According to Gross Value of Products, 1917

Industry	Estab-	Em-	Salaries	Cost	Net	Gross
	lish-	ployees	and	of	Value	Value
	No.	No.	\$	\$	\$	\$
1 Pulp and paper.....	115	49,946	129,477,995	295,444,332	356,084,900	706,971,628
2 Slaughtering and meat packing.....	151	21,726	44,611,145	406,694,207	77,054,061	486,916,554
3 Non-ferrous metal smelting and refining.....	16	17,449	49,767,871	308,267,931	115,798,652	453,033,942
4 Sawmills.....	6,481	55,425	83,360,452	208,543,819	190,514,975	402,133,298
5 Electrical apparatus and supplies.....	296	52,736	103,891,010	162,131,266	200,859,040	366,506,203
6 Automobiles.....	9	23,837	58,407,977	226,845,132	111,740,607	340,918,195
7 Flour and feed mills.....	961	8,285	14,832,059	280,674,476	41,020,372	324,152,457
8 Butter and cheese.....	2,037	20,757	32,405,745	238,667,589	66,025,020	309,727,758
9 Petroleum products.....	46	7,760	17,877,820	217,516,071	58,325,652	288,500,288
10 Primary iron and steel.....	58	26,933	63,285,368	104,532,331	92,879,888	216,275,618
11 Machinery.....	322	29,920	61,969,692	74,101,757	124,576,615	200,894,754
12 Rubber goods.....	60	23,475	46,613,893	82,934,625	110,673,007	196,337,734
13 Clothing, women's factory.....	1,169	30,969	50,357,121	92,713,574	91,158,213	184,305,430
14 Clothing, men's factory.....	566	29,817	45,486,784	98,082,593	84,575,371	183,166,033
15 Bread and other bakery products.....	2,942	31,501	47,896,265	80,084,523	80,476,461	165,749,588
16 Railway rolling-stock.....	37	28,526	61,754,235	73,076,405	82,389,093	159,283,149
17 Cotton yarn and cloth.....	45	24,089	35,444,413	99,599,156	55,463,989	158,272,431
18 Fruit and vegetable preparations.....	502	17,036	22,199,466	89,332,550	61,349,705	152,712,901
19 Automobile supplies.....	128	17,487	30,559,864	65,430,940	64,028,974	131,534,939
20 Sheet metal products.....	253	17,637	33,261,819	68,591,605	59,254,654	129,494,950
21 Hosiery and knitted goods.....	262	26,511	35,646,663	59,557,427	66,851,127	127,337,570
22 Miscellaneous food industries.....	303	7,005	11,153,337	94,412,054	32,332,238	127,439,940
23 Furniture.....	1,046	24,781	41,277,665	59,277,186	65,490,308	126,198,873
24 Printing and publishing.....	771	23,105	46,990,709	34,113,405	90,280,426	125,571,639
25 Foods, stock and poultry.....	285	4,436	7,901,202	103,384,042	19,235,753	120,553,040
26 Breweries.....	61	9,375	21,067,092	25,871,031	86,830,811	114,546,810
27 Shipbuilding.....	74	21,119	46,457,707	37,263,603	71,213,925	110,131,129
28 Fish curing and packing.....	594	12,043	15,860,682	62,780,333	41,081,685	105,272,682
29 Boots and shoes, leather.....	295	21,433	30,039,570	57,444,765	46,201,865	104,147,182
30 Castings, iron.....	216	18,167	38,201,506	36,201,211	63,687,150	102,515,842
31 Planing mills, sash and door factories.....	1,246	15,874	24,261,579	57,184,102	39,071,065	97,499,464
32 Brass and copper products.....	161	10,417	21,227,616	60,387,706	34,595,129	96,549,840
33 Tobacco, cigars and cigarettes.....	75	9,371	14,032,054	48,755,199	43,185,902	92,278,522
34 Printing and bookbinding.....	1,460	20,374	35,305,718	33,596,332	57,432,081	91,869,368
35 Boxes and bags, paper.....	165	12,227	19,390,377	53,059,806	37,889,859	91,641,607
36 Agricultural implements.....	61	16,013	31,244,006	49,799,417	38,162,131	89,423,469
37 Synthetic textiles and silk.....	40	14,728	24,284,463	32,659,919	49,809,478	84,869,922
38 Sugar refineries.....	11	3,003	6,309,481	63,883,259	14,234,767	80,194,389
39 Paper goods, miscellaneous.....	196	8,327	14,009,906	45,510,706	33,921,609	80,106,905
40 Hardware, tools and cutlery.....	288	14,934	28,904,293	25,033,959	53,028,657	79,536,832
Totals, Leading Industries	23,804	828,537	1,541,026,626	4,310,470,323	3,108,732,216	7,693,042,853
Totals, All Industries	32,731	1,131,750	2,085,925,966	5,531,280,019	1,293,055,802	10,081,026,580
Percentage of Leading Industries to All Industries.....	72.7	73.2	73.9	77.9	72.4	75.4
Primary Textiles ¹	692	91,958	138,137,293	288,885,664	253,545,222	552,883,872

¹ On a broader classification basis, the primary textile industry, which includes the production of cottons, woollens, synthetic textiles and silk, hosiery and knitted goods, the dyeing and finishing of textiles, narrow fabrics and cordage rope and twine, ranks first in number of employees, first in salaries and wages paid and second in gross value of production.

Section 4.—Principal Factors in Manufacturing Production

The subjects treated under this Section include capital, employment, salaries and wages, size of establishments and power and fuel used in manufacturing.

Subsection 1.—Capital Employed

The remarkable increase in capital employed in Canadian manufactures from the beginning of the twentieth century has, of course, run parallel with the rapid growth in industrial operations. From 1900 to 1905 the capital increased from \$446,900,000 to \$833,900,000, and advanced to \$1,958,700,000 in 1915. During this period returns were received from establishments with 5 hands or over, and, while the rise in wholesale prices did not exceed 37 p.c., the capital employed in manufactures increased nearly 340 p.c.

The capital investment in 1943 in all establishments, irrespective of the number of employees, but exclusive of central electric stations, was \$6,317,000,000 as compared with \$2,234,000,000 in 1917, an increase of 171 p.c. while wholesale prices have declined about 13 p.c. in the same period.

Statistics on capital employed were discontinued in 1944.

22.—Percentage Distribution of Capital Employed in the Manufacturing Industries, by Provinces and Industrial Groups, Significant Years, 1917-43

Province or Group	1917	1920	1929	1933	1939	1941	1942	1943
PROVINCE	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.
Prince Edward Island.....	0·1	0·1	0·1	0·1	0·1	0·1	0·1	0·1
Nova Scotia.....	5·3	4·6	3·0	2·8	2·8	2·5	2·8	2·8
New Brunswick.....	2·6	3·5	2·3	2·7	2·5	2·0	1·9	1·8
Quebec.....	28·4	30·1	31·1	31·6	32·4	34·7	34·3	35·3
Ontario.....	49·6	50·1	49·6	48·4	48·3	47·6	48·0	47·4
Manitoba.....	3·6	3·2	3·0	3·1	3·3	3·3	3·2	2·8
Saskatchewan.....	1·0	0·8	1·1	1·2	1·0	1·0	0·8	0·9
Alberta.....	2·1	1·6	2·0	2·1	2·0	1·9	1·8	1·8
British Columbia and Yukon.....	7·3	6·0	7·8	8·0	7·6	6·9	7·1	7·1
Totals.....	100·0	100·0	100·0	100·0	100·0	100·0	100·0	100·0
INDUSTRIAL GROUP								
Vegetable products.....	12·0	12·7	14·5	15·9	14·8	12·9	12·0	10·8
Animal products.....	8·9	7·6	6·1	6·2	6·9	6·2	5·9	5·1
Textiles and textile products.....	8·2	10·4	9·0	9·1	9·5	9·0	8·4	7·2
Wood and paper products.....	23·0	26·5	28·8	27·2	26·4	22·1	19·7	17·5
Iron and its products.....	29·8	24·8	20·6	18·8	19·1	23·2	26·3	29·3
Non-ferrous metal products.....	3·0	3·7	7·5	8·1	9·5	11·1	11·2	10·7
Non-metallic mineral products.....	6·2	7·4	7·9	9·0	8·0	6·7	6·0	5·6
Chemicals and allied products.....	7·5	4·2	4·1	4·7	4·7	7·3	8·6	12·0
Miscellaneous industries.....	1·4	1·7	1·5	1·0	1·1	1·5	1·9	1·8

23.—Forms of Capital Employed in the Manufacturing Industries, by Provinces and Industrial Groups, 1943, with Totals for Significant Years, 1924-42

Year, Province or Group	Establishments	Fixed Capital Land, Buildings, Fixtures, Machinery, Tools and Other Equipment	Working Capital			Total Capital
			Inventory Value of Raw Materials, Stocks in Process, Fuel, and Miscellane- ous Supplies on Hand	Inventory Value of Finished Products on Hand	Cash, Bills and Accounts Receivable, Prepaid Expenses, etc.	
			No.	\$	\$	
Totals, 1924.....	20,709	1,717,122,081		658,360,445	519,834,982	2,895,317,508
Totals, 1926.....	21,301	1,905,620,436		707,413,136	595,037,625	3,208,071,197
Totals, 1929.....	22,216	2,356,913,335		867,689,319	780,289,355	4,004,892,009
Totals, 1932.....	23,102	2,218,729,234		597,939,060	563,807,215	3,330,475,509
Totals, 1933.....	23,780	2,151,091,557		573,587,617	554,580,664	3,279,259,838
Totals, 1934.....	24,209	2,109,729,523		598,110,478	541,508,863	3,249,348,864
Totals, 1935.....	24,034	2,080,221,792		610,814,942	525,366,393	3,216,403,127
Totals, 1936.....	24,202	2,061,610,260		651,771,457	557,881,814	3,271,263,531
Totals, 1937.....	24,834	2,126,929,809		757,322,293	580,975,729	3,465,227,831
Totals, 1938.....	25,200	2,149,402,173		739,226,808	597,054,037	3,485,683,018
Totals, 1939.....	24,805	2,168,887,084		784,513,558	693,593,807	3,647,024,449
Totals, 1940.....	25,513	2,266,087,512		992,988,598	836,640,726	4,095,716,836
Totals, 1941.....	26,293	2,523,213,656	929,051,356	378,109,962	1,075,128,992	4,905,503,966
Totals, 1942.....	27,862	2,740,826,451	1,092,063,176	404,306,102	1,251,589,816	5,488,785,545
PROVINCES, 1943						
Prince Edward Island.....	230	2,079,533	529,646	285,766	986,887	3,881,832
Nova Scotia.....	1,278	92,028,183	31,957,646	22,592,192	32,785,682	179,363,702
New Brunswick.....	862	60,286,741	18,375,637	5,740,960	26,884,572	111,287,910
Quebec.....	9,372	1,059,284,069	478,397,975	166,178,728	526,759,614	2,230,620,386
Ontario.....	10,587	1,381,616,267	674,091,828	232,683,256	706,562,637	2,994,953,988
Manitoba.....	1,245	94,296,011	27,185,310	22,564,358	29,706,828	173,752,507
Saskatchewan.....	976	30,041,247	10,377,381	7,319,282	12,936,183	60,674,093
Alberta.....	1,133	64,391,736	14,909,801	14,525,409	17,855,473	111,682,419
British Columbia.....	1,961	218,592,648	94,954,866	51,774,221	85,038,313	450,360,048
Yukon and Northwest territories.....	8	286,901	46,929	109,352	146,659	589,841
Totals, 1943.....	27,652	3,002,903,336	1,350,827,019	523,773,521	1,439,662,848	6,317,166,727
INDUSTRIAL GROUPS, 1943						
Vegetable products.....	5,913	282,619,237	147,178,142	91,891,156	162,603,768	684,292,303
Animal products.....	4,380	141,661,687	51,918,182	52,120,456	79,111,538	324,811,863
Textiles and textile products.....	2,394	190,613,728	113,093,355	25,036,301	126,307,645	455,050,029
Wood and paper products.....	9,974	707,656,824	138,239,069	35,482,901	222,605,422	1,103,984,216
Iron and its products.....	2,044	373,776,577	559,488,023	133,009,303	422,232,149	1,852,506,052
Non-ferrous metal products.....	597	353,314,896	129,588,556	28,360,562	163,538,388	674,802,402
Non-metallic mineral products.....	747	223,248,695	46,362,712	31,345,015	50,207,832	351,164,254
Chemicals and allied products.....	945	332,751,244	126,483,598	122,764,226	177,865,883	759,864,051
Miscellaneous industries.....	668	33,260,448	38,470,382	3,763,004	35,190,223	110,684,05

Statistics on capital employed are not collected since 1944.

Subsection 2.—Employment in Manufactures

Monthly Record of Employment.—Ordinarily, manufacturing employment in Canada reaches its highest point during the summer months. Some of the seasonal industries, such as canning, are most active then; textile industries are preparing

winter goods, and industry generally feels the active demand of the agricultural purchasing power resulting from the prospect of the season's harvest. After the setback of 1929, employment in 1930, 1931, 1932 and the first half of 1933 declined steadily, the monthly employment figures in each case being lower than the corresponding month of the previous year. The peak of employment in June, 1929, when 575,693 wage-earners were on the payrolls, was surpassed in September, 1937, with 582,305 wage-earners. With the outbreak of war the improvement in employment became increasingly rapid. A new high record was attained in August, 1943, when 1,067,890 wage-earners were employed, an increase of 96.4 p.c. over the same month in 1939. The highest employment during 1944 was attained in June when 1,049,557 wage-earners were employed. From then on employment declined steadily to the end of 1945 when 819,619 wage-earners were reported. At the end of 1947 there were 922,037 wage-earners employed. This compares with an employment of 961,820 wage-earners in December 1944 and 1,021,630 wage-earners in December 1943.

24. Wage-Earners Employed in the Manufacturing Industries of Canada, by Months and Sex, Significant Years, 1922-47

Month	1922	1929	1933	1939	1943	1945	1946	1947
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ALL WAGE-EARNERS

January.....	324,257	502,644	340,027	499,337	1,023,261	976,768	832,096	892,866
February.....	336,729	519,423	347,777	496,163	1,030,878	979,604	836,643	899,937
March.....	346,115	536,866	355,888	503,475	1,036,648	976,531	845,408	910,189
April.....	360,218	555,711	358,739	509,738	1,033,748	974,254	868,372	923,410
May.....	382,591	574,905	377,659	530,864	983,058	977,472	885,034	941,908
June.....	395,997	575,693	392,196	531,215	1,055,645	970,001	891,810	955,648
July.....	391,188	573,554	393,484	529,575	1,056,975	949,792	884,704	963,960
August.....	389,511	567,022	402,249	543,635	1,067,899	918,271	892,482	964,388
September.....	392,123	564,796	410,954	562,355	1,066,595	874,373	888,728	964,273
October.....	385,262	553,338	405,757	568,564	1,053,486	856,767	897,549	960,917
November.....	378,992	527,213	396,384	563,117	1,049,738	849,057	896,389	951,822
December.....	367,724	499,893	380,612	544,817	1,021,630	819,619	870,356	922,037

MALE

January.....	243,682	397,459	257,445	381,997	751,269	708,008	620,965	679,070
February.....	253,178	413,865	260,728	385,955	755,181	709,563	626,494	685,089
March.....	263,849	426,713	267,259	391,623	757,702	708,642	638,334	694,601
April.....	274,821	443,560	271,348	398,982	755,888	709,043	659,570	708,473
May.....	294,095	459,783	285,705	416,963	764,158	714,926	673,775	726,363
June.....	304,395	460,294	296,937	417,975	776,003	714,892	680,475	738,774
July.....	304,020	459,051	300,329	417,987	779,687	704,868	676,153	746,759
August.....	301,234	449,721	302,969	421,895	777,733	677,102	674,051	743,904
September.....	298,918	441,510	304,908	431,509	767,043	638,286	666,246	736,544
October.....	291,973	432,576	301,315	437,220	754,481	627,566	675,564	732,925
November.....	286,511	412,114	294,945	432,920	753,211	622,762	675,335	726,380
December.....	277,854	391,903	285,690	422,538	738,073	609,035	661,336	708,963

FEMALE

January.....	80,575	105,185	82,582	108,340	271,992	268,760	211,131	213,796
February.....	83,551	108,558	87,049	110,205	275,697	270,041	210,149	214,848
March.....	85,261	110,153	88,629	111,852	278,946	267,889	210,074	215,588
April.....	85,427	112,142	87,411	119,757	277,860	265,211	208,592	214,937
May.....	88,409	115,122	91,954	118,901	218,900	262,546	211,259	215,545
June.....	89,540	115,399	95,259	113,270	282,642	255,109	211,335	216,874
July.....	87,166	114,503	93,135	111,588	277,288	241,924	209,551	217,201
August.....	88,277	117,301	99,280	121,710	290,157	241,169	218,431	220,484
September.....	93,505	123,286	106,046	130,846	299,572	236,087	222,482	227,729
October.....	93,289	120,762	104,442	131,344	209,002	229,201	221,985	228,022
November.....	92,481	115,099	101,339	130,197	206,527	225,295	221,054	225,442
December.....	89,870	107,990	94,922	122,279	283,557	210,584	209,020	213,074

25.—Wage-Earners Employed in the Manufacturing Industries of Canada, by Months, Sex and Industrial Groups, Significant years, 1939-47

Month	1939	1943	1944	1945	1946	1947
ALL WAGE-EARNERS						
Vegetable Products—	No.	No.	No.	No.	No.	No.
January.....	72,227	88,815	94,906	106,312	107,223	113,792
February.....	72,523	88,751	94,491	106,689	105,624	112,153
March.....	72,628	87,572	94,295	105,689	104,356	111,444
April.....	70,208	84,963	93,211	102,802	104,620	110,413
May.....	72,149	85,453	93,458	102,050	105,401	110,973
June.....	73,802	88,331	98,263	104,312	109,344	115,975
July.....	77,014	92,931	104,672	110,972	108,280	124,378
August.....	84,280	97,129	113,317	114,055	116,243	127,773
September.....	91,088	105,571	118,217	122,440	124,938	137,541
October.....	85,045	99,664	109,229	114,894	122,381	127,997
November.....	81,842	98,343	106,480	112,179	119,297	122,126
December.....	78,562	95,217	100,550	106,596	114,754	116,872
MALE						
	No.	No.	No.	No.	No.	No.
January.....	51,640	56,463	57,565	67,158	71,228	77,602
February.....	51,850	55,923	57,681	67,213	70,938	77,005
March.....	52,025	55,284	57,546	67,297	70,824	77,027
April.....	50,789	53,930	57,135	65,340	72,079	76,826
May.....	52,030	53,978	57,447	65,386	72,878	77,904
June.....	52,914	55,746	60,547	67,193	75,148	80,210
July.....	54,918	59,338	65,054	72,255	73,620	85,465
August.....	57,429	59,507	67,701	71,900	75,283	86,475
September.....	60,212	62,582	69,216	75,256	79,465	90,035
October.....	58,112	60,013	65,165	73,003	80,456	84,941
November.....	56,459	59,734	64,433	72,516	80,136	81,698
December.....	55,801	58,996	62,177	70,526	78,456	79,773
FEMALE						
	No.	No.	No.	No.	No.	No.
January.....	20,587	32,352	37,341	39,154	35,995	36,190
February.....	20,673	32,828	36,810	39,476	34,686	35,148
March.....	20,603	32,288	36,749	38,392	33,532	34,417
April.....	19,419	30,983	36,106	37,462	32,541	33,587
May.....	20,119	31,475	36,009	36,664	32,523	33,069
June.....	20,888	32,555	37,716	37,119	34,196	35,765
July.....	22,096	33,593	39,618	38,717	34,660	38,913
August.....	26,851	37,622	45,616	42,155	40,960	41,298
September.....	30,876	42,989	49,001	47,184	45,473	47,506
October.....	26,933	39,651	44,064	41,891	41,925	43,056
November.....	25,383	38,609	42,047	39,663	39,161	40,428
December.....	22,761	36,221	38,373	36,070	36,298	37,099
ALL WAGE-EARNERS						
Animal Products—	No.	No.	No.	No.	No.	No.
January.....	46,552	64,230	69,914	74,414	76,559	77,212
February.....	47,397	63,045	69,985	72,341	74,844	75,620
March.....	48,315	63,110	70,424	71,214	76,106	76,128
April.....	49,837	65,476	73,208	74,208	79,322	79,745
May.....	56,042	72,128	81,078	81,700	87,500	87,190
June.....	57,373	74,922	84,206	84,061	90,570	88,864
July.....	56,297	75,436	83,373	84,226	92,144	90,159
August.....	57,854	75,396	82,637	85,462	93,850	89,635
September.....	57,273	73,092	79,741	84,363	89,222	79,871
October.....	57,487	72,503	78,862	84,290	89,404	86,444
November.....	56,041	73,231	78,833	84,323	86,050	86,585
December.....	53,612	70,204	74,795	80,534	79,117	79,933

**25.—Wage-Earners Employed in the Manufacturing Industries of Canada, by Months
Sex and Industrial Groups, Significant years, 1939-47—continued**

Month	1939	1943	1944	1945	1946	1947
MALE						
Animal Products—concluded						
January.....	No.	No.	No.	No.	No.	No.
36,619	45,583	48,973	52,025	54,859	55,955	
February.....	37,016	44,526	48,696	50,431	53,635	54,842
March.....	37,603	44,636	48,939	49,435	54,397	54,861
April.....	39,013	45,880	51,146	51,264	56,893	57,758
May.....	42,924	49,297	55,645	55,122	61,557	62,128
June.....	44,279	51,707	57,994	56,979	64,102	63,710
July.....	44,208	52,344	57,973	57,817	65,907	65,013
August.....	44,755	51,944	56,976	58,732	67,071	64,484
September.....	44,406	50,126	54,861	58,575	63,679	57,172
October.....	44,687	50,338	54,530	59,231	64,427	62,434
November.....	43,514	51,146	54,863	59,682	62,088	63,593
December.....	41,804	49,680	52,414	57,345	57,221	59,034
FEMALE						
January.....	No.	No.	No.	No.	No.	No.
9,933	18,647	20,936	22,389	21,700	21,257	
February.....	10,381	18,519	21,289	21,997	21,209	20,778
March.....	10,712	18,474	21,485	21,779	21,709	21,267
April.....	10,824	19,596	22,062	22,944	22,519	21,987
May.....	13,118	22,531	25,433	26,578	25,943	25,062
June.....	13,094	23,215	26,212	27,082	26,468	25,154
July.....	12,089	23,092	25,500	26,409	26,237	25,146
August.....	13,119	23,452	25,661	26,769	26,779	25,151
September.....	12,867	22,968	24,880	25,788	25,543	22,699
October.....	12,800	22,165	24,332	25,059	24,977	24,010
November.....	12,527	22,085	23,970	24,041	23,962	23,085
December.....	11,808	20,524	22,381	23,189	21,896	20,899
ALL WAGE-EARNERS						
Textiles and Textile Products—						
January.....	No.	No.	No.	No.	No.	No.
101,076	144,056	136,781	139,484	145,127	154,058	
February.....	103,029	145,172	138,149	141,057	147,082	156,914
March.....	103,866	144,843	139,038	140,393	148,172	158,254
April.....	103,897	142,711	137,925	138,938	146,673	157,323
May.....	102,709	140,722	134,938	138,203	145,321	155,016
June.....	100,880	137,693	133,870	137,339	138,801	151,760
July.....	99,111	135,611	130,805	133,668	137,397	150,883
August.....	104,650	136,223	132,820	136,420	142,038	152,862
September.....	110,995	135,779	133,882	139,026	145,453	155,413
October.....	116,843	136,026	135,907	141,889	148,269	158,790
November.....	118,337	136,289	136,742	143,241	149,016	158,619
December.....	113,534	131,955	132,095	137,083	143,758	153,220
MALE						
January.....	No.	No.	No.	No.	No.	No.
46,808	55,089	52,221	52,841	58,181	65,296	
February.....	47,187	55,381	52,377	52,953	59,276	66,050
March.....	47,064	54,880	52,520	52,456	59,779	66,476
April.....	47,254	53,966	51,968	51,737	59,222	65,821
May.....	46,486	52,894	50,707	51,192	58,908	65,070
June.....	46,175	51,969	50,603	51,408	55,529	63,703
July.....	46,427	52,132	50,294	51,163	56,292	64,285
August.....	48,191	51,802	50,890	52,326	57,874	64,986
September.....	50,581	50,968	50,238	52,884	59,589	64,815
October.....	53,271	50,766	50,586	54,224	60,440	65,724
November.....	54,238	51,115	51,346	55,546	61,189	65,451
December.....	52,585	50,613	50,271	54,636	60,067	63,561
FEMALE						
January.....	No.	No.	No.	No.	No.	No.
54,268	88,967	84,560	86,643	86,946	88,762	
February.....	55,842	89,791	85,772	88,104	87,806	90,864
March.....	56,802	89,963	86,518	87,943	88,393	91,773
April.....	56,643	88,745	85,957	87,201	87,451	91,502
May.....	56,223	87,918	84,231	87,011	86,413	89,946
June.....	54,645	85,724	83,267	85,931	83,272	88,057
July.....	52,684	83,479	80,509	82,505	81,105	86,598
August.....	56,459	84,421	81,930	84,104	84,164	87,876
September.....	60,414	84,811	83,644	86,142	85,864	90,598
October.....	63,572	85,260	85,321	87,656	87,829	93,066
November.....	64,119	85,165	85,426	87,695	87,557	93,168
December.....	60,949	81,342	81,824	82,447	83,691	89,659

25.—Wage-Earners Employed in the Manufacturing Industries of Canada, by Months, Sex and Industrial Groups, Significant years, 1939-47—continued

Month	1939	1943	1944	1945	1946	1947
ALL WAGE-EARNERS						
Wood and Paper Products—	No.	No.	No.	No.	No.	No.
January.....	101,221	132,845	138,391	143,210	158,357	181,207
February.....	103,805	135,215	140,810	145,741	161,529	184,154
March.....	106,757	138,312	144,717	150,336	167,434	188,912
April.....	110,567	142,710	151,126	158,265	179,375	196,078
May.....	121,258	151,726	160,170	167,099	184,970	206,459
June.....	124,554	160,770	166,686	172,179	190,171	214,524
July.....	122,651	159,833	164,257	169,589	194,281	214,571
August.....	119,523	156,357	160,559	166,125	192,531	210,956
September.....	117,354	151,248	154,531	161,588	187,612	206,801
October.....	114,956	144,924	148,935	158,752	182,319	199,587
November.....	110,940	142,064	145,286	156,601	177,447	194,293
December.....	106,464	136,427	139,146	151,233	171,421	188,029
MALE						
	No.	No.	No.	No.	No.	No.
January.....	91,377	112,781	114,274	119,553	135,417	157,692
February.....	94,226	114,613	116,635	121,854	138,844	160,601
March.....	97,098	117,383	120,723	126,291	144,875	165,577
April.....	100,799	121,542	127,166	134,200	157,015	172,830
May.....	111,261	129,921	136,001	142,586	162,574	182,805
June.....	114,583	137,683	141,723	147,066	167,029	190,274
July.....	112,515	136,527	139,515	144,592	170,970	190,438
August.....	109,461	132,299	136,162	141,304	169,066	187,151
September.....	106,914	126,776	130,142	137,086	164,143	182,811
October.....	104,083	119,586	124,124	134,060	158,185	175,138
November.....	99,853	116,579	120,261	131,747	152,959	169,756
December.....	95,868	112,009	115,626	127,976	148,402	164,519
FEMALE						
	No.	No.	No.	No.	No.	No.
January.....	9,844	20,064	24,117	23,657	22,940	23,515
February.....	9,579	20,602	24,175	23,887	22,685	23,553
March.....	9,659	20,929	23,994	24,045	22,559	23,335
April.....	9,768	21,168	23,960	24,065	22,360	23,248
May.....	9,997	21,805	24,169	24,423	22,396	23,654
June.....	9,971	23,087	24,963	24,113	23,142	24,250
July.....	10,136	23,306	24,742	24,997	23,311	24,133
August.....	10,062	24,058	24,397	24,321	23,465	23,805
September.....	10,440	24,472	24,389	24,502	23,469	23,990
October.....	10,873	25,338	24,811	24,692	24,134	24,149
November.....	11,087	25,485	25,025	24,854	24,488	24,537
December.....	10,596	24,418	23,520	23,257	23,019	23,510
ALL WAGE-EARNERS						
	No.	No.	No.	No.	No.	No.
Iron and Its Products—	No.	No.	No.	No.	No.	No.
January.....	98,065	378,921	379,693	324,842	208,853	213,546
February.....	98,488	384,395	377,166	325,121	209,321	216,214
March.....	99,436	387,422	373,294	320,772	212,428	219,321
April.....	100,915	383,878	365,508	313,880	215,402	223,074
May.....	101,371	382,665	382,671	310,611	217,115	224,715
June.....	96,412	384,779	363,396	304,749	216,887	226,122
July.....	95,796	381,523	363,195	291,504	208,671	225,928
August.....	97,313	390,439	358,976	264,386	204,285	225,273
September.....	103,938	388,714	347,286	223,167	202,128	226,302
October.....	111,553	387,643	341,705	214,196	212,541	228,143
November.....	113,202	386,555	334,982	209,954	212,690	229,272
December.....	112,685	377,611	325,960	205,152	211,334	216,344

25.—Wage-Earners Employed in the Manufacturing Industries of Canada, by Months, Sex and Industrial Groups, Significant years, 1939-47 - continued

Month	1939	1943	1944	1945	1946	1947
MALE						
Iron and Its Products—concluded						
January.....	94,216	329,818	323,708	285,712	197,539	202,654
February.....	94,048	333,626	322,124	255,909	198,054	205,206
March.....	95,599	334,848	319,403	282,172	201,130	208,173
April.....	97,100	331,494	313,241	276,822	204,004	211,864
May.....	97,542	329,913	311,151	274,873	205,597	213,713
June.....	92,755	331,301	312,314	271,455	205,301	215,016
July.....	92,201	332,078	311,915	262,232	197,443	215,085
August.....	93,646	335,245	308,201	241,037	193,266	214,596
September.....	99,732	331,387	299,531	207,643	191,097	215,498
October.....	106,943	329,088	296,236	200,310	201,285	217,235
November.....	108,771	328,647	292,066	196,990	201,186	218,318
December.....	108,350	321,977	287,041	193,141	200,130	215,659
FEMALE						
	No.	No.	No.	No.	No.	No.
January.....	3,849	49,103	55,985	39,130	11,314	10,892
February.....	3,840	50,769	55,042	39,212	11,267	11,008
March.....	3,887	52,574	53,891	38,600	11,298	11,148
April.....	3,815	52,384	52,267	37,058	11,398	11,210
May.....	3,829	52,752	51,520	35,738	11,551	11,002
June.....	3,657	53,478	51,082	33,294	11,586	11,106
July.....	3,595	49,445	51,280	29,272	11,228	10,843
August.....	3,667	55,194	50,775	23,349	11,019	10,679
September.....	4,296	57,327	47,755	15,524	11,031	10,804
October.....	4,610	58,555	45,469	13,886	11,256	10,908
November.....	4,431	58,208	42,886	12,964	11,504	10,954
December.....	4,335	55,634	38,919	12,011	11,204	10,685
ALL WAGE-EARNERS						
	No.	No.	No.	No.	No.	No.
Non-ferrous Metal Products—						
January.....	33,086	91,024	92,521	78,929	65,485	75,465
February.....	32,850	91,689	91,467	78,640	66,708	76,318
March.....	33,194	91,801	90,427	77,792	66,622	76,992
April.....	33,361	91,409	89,527	77,513	68,279	76,683
May.....	33,874	91,795	88,192	74,871	68,698	76,745
June.....	34,427	91,742	89,037	72,560	68,777	77,059
July.....	34,830	92,836	87,367	70,462	67,308	76,950
August.....	35,331	93,463	85,868	67,261	67,554	77,249
September.....	36,485	94,225	83,821	64,208	64,179	78,759
October.....	37,442	94,785	84,046	64,528	65,546	79,628
November.....	38,012	94,928	83,721	64,933	73,710	80,430
December.....	37,534	94,308	80,292	64,355	73,773	79,647
MALE						
	No.	No.	No.	No.	No.	No.
January.....	28,946	68,718	65,959	55,837	49,088	58,578
February.....	28,722	69,222	64,743	55,844	50,272	59,195
March.....	28,973	68,991	63,535	55,402	50,325	59,703
April.....	29,133	68,203	62,841	54,873	51,894	59,629
May.....	29,448	68,203	61,703	53,468	52,320	59,952
June.....	29,662	67,357	62,243	52,308	52,385	60,466
July.....	29,870	68,172	61,358	51,017	51,304	60,879
August.....	30,227	68,025	60,496	48,996	51,382	61,126
September.....	31,101	67,679	58,672	47,363	48,857	62,235
October.....	31,816	67,371	58,603	47,700	50,077	62,876
November.....	32,262	68,068	58,558	47,952	56,334	63,512
December.....	32,111	67,317	56,724	48,015	56,658	63,471

25.—Wage-Earners Employed in the Manufacturing Industries of Canada, by Months, Sex and Industrial Groups, Significant years, 1939-47—continued

Month	1939	1943	1944	1945	1946	1947
FEMALE						
Non-ferrous Metal Products—concl.	No.	No.	No.	No.	No.	No.
January.....	4,140	22,306	26,562	23,092	16,397	16,887
February.....	4,128	22,467	26,724	22,796	16,436	17,123
March.....	4,221	22,810	26,892	22,390	16,297	17,289
April.....	4,228	23,206	26,685	22,640	16,385	17,054
May.....	4,426	23,592	26,489	21,403	16,378	16,793
June.....	4,765	23,885	26,794	20,252	16,392	16,593
July.....	4,960	24,664	26,099	19,445	16,004	16,071
August.....	5,134	25,438	25,372	18,365	16,172	16,123
September.....	5,384	26,546	25,149	16,845	15,322	16,524
October.....	5,626	27,414	25,443	16,828	15,469	16,752
November.....	5,750	26,860	25,173	16,981	17,376	16,918
December.....	5,423	26,991	23,568	16,340	17,115	16,170
ALL WAGES-EARNERS						
Non-metallic Mineral Products —	No.	No.	No.	No.	No.	No.
January.....	15,780	25,144	25,814	25,317	27,949	30,984
February.....	15,563	24,722	25,902	25,718	28,195	31,630
March.....	16,128	24,867	25,965	25,984	29,056	32,036
April.....	17,276	25,184	26,075	26,391	30,320	32,881
May.....	19,265	25,278	26,494	26,749	31,440	33,854
June.....	20,294	25,943	26,946	27,327	32,170	34,375
July.....	20,602	26,538	27,004	27,644	32,026	34,581
August.....	20,584	26,348	26,581	27,748	31,374	34,255
September.....	20,228	25,881	26,025	27,432	30,729	33,314
October.....	19,586	25,660	25,947	28,002	31,527	33,515
November.....	18,908	25,933	25,897	28,099	31,915	33,438
December.....	17,648	25,601	25,257	27,319	31,168	32,607
MALE						
Non-ferrous Metal Products—concl.	No.	No.	No.	No.	No.	No.
January.....	15,241	22,571	22,705	22,237	25,401	28,817
February.....	15,050	22,176	22,679	22,560	25,530	29,385
March.....	15,590	22,214	22,737	22,726	26,362	29,834
April.....	16,731	22,435	22,837	23,087	27,611	30,628
May.....	18,584	22,507	23,278	23,410	28,714	31,679
June.....	19,560	23,057	23,615	23,992	29,486	32,203
July.....	19,900	23,501	23,685	24,330	29,378	32,464
August.....	19,852	23,229	23,290	24,503	28,911	32,068
September.....	19,494	22,716	22,815	24,301	28,413	31,306
October.....	18,900	22,605	22,744	24,966	29,172	31,456
November.....	18,339	22,779	22,721	25,145	29,397	31,283
December.....	17,010	22,494	22,160	24,511	28,761	30,505
FEMALE						
Non-metallic Mineral Products —	No.	No.	No.	No.	No.	No.
January.....	539	2,573	3,109	3,089	2,548	2,167
February.....	513	2,546	3,223	3,149	2,605	2,224
March.....	538	2,653	3,228	3,258	2,694	2,202
April.....	545	2,749	3,238	3,304	2,709	2,253
May.....	681	2,771	3,216	3,339	2,726	2,175
June.....	734	2,886	3,331	3,335	2,684	2,172
July.....	702	3,037	3,319	3,314	2,648	2,117
August.....	732	3,119	3,301	3,245	2,463	2,187
September.....	734	3,165	3,210	3,131	2,316	2,038
October.....	686	3,055	3,203	3,036	2,355	2,059
November.....	647	3,154	3,176	2,954	2,518	2,155
December.....	638	3,107	3,097	2,808	2,407	2,042

25.—Wage-Earners Employed in the Manufacturing Industries of Canada, by Months, Sex and Industrial Groups, Significant years, 1939-47—continued

Month	1939	1943	1944	1945	1946	1947
ALL WAGE-EARNERS						
Chemicals and Allied Products—	No.	No.	No.	No.	No.	No.
January.....	13,724	79,461	68,780	64,693	26,290	26,695
February.....	13,760	78,983	67,533	64,571	26,741	27,350
March.....	14,039	79,239	67,121	64,487	27,190	27,562
April.....	14,459	78,434	65,810	62,405	27,332	27,745
May.....	14,794	77,073	66,140	56,439	27,342	27,839
June.....	14,094	74,645	66,535	47,282	27,387	27,876
July.....	14,017	72,935	67,406	42,074	27,041	27,754
August.....	14,383	72,657	68,193	37,146	27,045	27,693
September.....	15,145	72,294	67,334	33,486	26,759	27,550
October.....	15,694	72,564	67,356	31,922	27,415	27,715
November.....	15,837	72,439	67,385	30,281	27,821	27,653
December.....	15,504	70,880	64,623	29,347	27,462	27,256
MALE						
	No.	No.	No.	No.	No.	No.
January.....	10,706	48,836	42,006	41,008	19,112	21,026
February.....	10,767	48,246	41,217	41,098	19,591	21,275
March.....	10,971	47,927	40,901	41,173	20,063	21,576
April.....	11,358	46,957	40,016	40,039	20,307	21,726
May.....	11,659	46,060	40,177	37,179	20,368	21,842
June.....	10,943	44,776	41,000	32,511	20,327	21,866
July.....	10,953	43,873	41,362	29,634	20,044	21,922
August.....	11,145	43,705	41,540	26,416	20,013	21,873
September.....	11,788	43,166	40,529	23,743	19,718	21,566
October.....	12,131	43,207	40,697	22,870	20,177	21,658
November.....	12,249	43,722	41,428	21,806	20,491	21,646
December.....	12,187	43,567	41,203	21,564	20,455	21,551
FEMALE						
	No.	No.	No.	No.	No.	No.
January.....	3,018	30,625	26,774	23,685	7,178	5,929
February.....	2,993	30,737	26,316	23,473	7,150	5,975
March.....	3,068	31,312	26,220	23,314	7,127	5,986
April.....	3,101	31,467	25,794	22,366	7,025	6,019
May.....	3,135	31,013	25,963	19,260	6,974	5,997
June.....	3,151	29,869	25,835	14,771	7,060	6,010
July.....	3,064	29,057	26,044	12,440	6,997	5,832
August.....	3,238	28,952	26,653	10,730	7,032	5,820
September.....	3,357	29,128	26,795	9,743	7,041	5,984
October.....	3,563	29,357	26,659	9,052	7,238	6,057
November.....	3,588	28,717	25,957	8,475	7,330	6,097
December.....	3,317	27,313	23,420	7,783	7,007	5,705
ALL WAGE-EARNERS						
Miscellaneous Industries—	No.	No.	No.	No.	No.	No.
January.....	8,606	18,762	19,266	19,567	16,253	19,647
February.....	8,745	18,906	19,448	19,726	16,599	19,605
March.....	9,112	18,982	19,539	19,858	17,044	19,510
April.....	9,219	18,983	19,680	19,852	17,049	19,468
May.....	9,492	19,218	19,897	19,840	17,214	19,117
June.....	9,499	19,820	20,318	20,192	17,703	19,093
July.....	9,257	19,332	19,734	19,653	17,556	18,756
August.....	9,657	19,873	19,735	19,658	17,562	18,690
September.....	9,849	19,791	19,128	18,663	17,708	18,722
October.....	9,958	19,717	19,353	18,303	18,147	19,128
November.....	9,900	19,765	19,574	18,446	18,413	19,406
December.....	9,274	19,427	19,102	18,000	17,569	18,129

25.—Wage-Earners Employed in the Manufacturing Industries of Canada, by Months, Sex and Industrial Groups, Significant years, 1939-47—concluded

Month	1939	1943	1944	1945	1946	1947
MALE						
Miscellaneous Industries—concluded	No.	No.	No.	No.	No.	No.
January.....	6,444	11,410	11,348	11,637	10,140	11,450
February.....	6,489	11,468	11,495	11,689	10,354	11,430
March.....	6,700	11,539	11,457	11,690	10,579	11,374
April.....	6,805	11,421	11,563	11,681	10,635	11,391
May.....	7,029	11,475	11,637	11,710	10,859	11,270
June.....	7,104	11,907	12,087	11,980	11,168	11,326
July.....	6,995	11,717	11,883	11,828	11,195	11,208
August.....	7,209	11,977	11,889	12,018	11,185	11,145
September.....	7,281	11,643	11,333	11,435	11,285	11,106
October.....	7,277	11,510	11,399	11,202	11,345	11,163
November.....	7,235	11,521	11,473	11,378	11,555	11,216
December.....	6,822	11,420	11,374	11,321	11,186	10,830
FEMALE						
	No.	No.	No.	No.	No.	No.
January.....	2,162	7,352	7,918	7,930	6,113	8,197
February.....	2,256	7,438	7,953	8,037	6,245	8,175
March.....	2,412	7,443	8,082	8,168	6,465	8,166
April.....	2,414	7,562	8,117	8,171	6,414	8,077
May.....	2,373	7,743	8,170	8,130	6,355	7,847
June.....	2,365	7,913	8,231	8,212	6,535	7,767
July.....	2,262	7,615	7,851	7,825	6,361	7,548
August.....	2,448	7,901	7,846	7,640	6,377	7,545
September.....	2,558	8,148	7,795	7,228	6,423	7,616
October.....	2,681	8,207	7,954	7,101	6,802	7,965
November.....	2,665	8,244	8,101	7,063	6,858	8,190
December.....	2,452	8,007	7,728	6,679	6,383	7,299

Hours Worked by Wage-Earners. From 1932, the first year for which figures on hours worked per week by wage-earners are available, to 1945, each firm was required to report the number of hours worked by all its wage-earners during the month in which the greatest number had been employed, the only exception being the years 1938 and 1939 when one week in a month of normal employment was reported. In 1938 the number of hours worked per week were compiled by sex, and a change was also made in the analysis of the weekly hours worked. Since 1940 the hours worked per week include overtime while prior to that overtime was excluded. These changes make it impossible to measure accurately the changes in the number of hours worked per week. In any case, the figures in Table 26 do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all firms. For a given industry, however, the month of highest employment is more significant as in this case it coincides for a great number of firms engaged in the same industry.

For all wage-earners, the hours worked per week declined from 48·9 in 1932 to 47·2 in 1939, and reached 50·6 in 1941, some of the increase no doubt being due to the inclusion of overtime. Since then there was a counter movement in the hours worked, especially among females, due to the employment of many workers on a part-time basis. Whereas in 1939 there were only 2·8 p.c. of male and 5·3 p.c. of female wage-earners working under 30 hours per week, in 1944 these percentages rose to 5·3 and 12·5 respectively. Since the end of the war the normal working week has been dropping steadily. In 1945 average hours per week for male wage-earners totalled 47·6 and for females 42·7.

The method of collecting statistics on hours worked was changed for 1946. Instead of collecting this information for one week in the month of highest employment which varied from plant to plant, the last week in November was chosen for the base period. The question on hours worked was taken out of the annual schedules used in connection with the census of manufactures and this information is now collected by the Employment Statistics Branch. Establishments employing 15 hands or over only are covered. The statistics for 1946 and 1947 are therefore not exactly comparable with those for earlier years which include all establishments, both large and small. In 1947 average hours worked per week totalled 43.7, 44.9 for males and 39.7 for females.

26. Wage-Earners in Manufacturing, Working Specified Numbers of Hours¹ per Week in the Month of Highest Employment, 1938-45

NOTE.—Hours worked per week in 1932-37 are given at p. 386 of the 1942 edition of the Canada Year Book; in 1940 at p. 392 of the 1943-44 edition.

Hours Worked per Week	1938	1939	1942	1943	1944	1945
ALL WAGE-EARNERS						
No.	No.	No.	No.	No.	No.	No.
30 or less.....	24,073	19,849	48,714	74,406	87,817	79,398
31-43.....	99,125	85,597	98,200	128,755	151,280	174,378
44.....	83,763	81,128	88,049	88,964	112,840	130,536
45-47.....	66,268	64,031	80,613	100,861	108,585	116,431
48.....	121,625	130,506	244,899	248,083	245,024	230,175
49-50.....	62,294	65,822	105,434	115,606	116,473	105,331
51-54.....	39,596	46,165	147,229	151,231	128,580	99,411
55.....	20,575	24,316	63,702	62,701	51,965	34,748
56-64.....	60,755	61,067	193,297	176,730	140,295	81,517
65 or over.....	8,755	8,478	73,590	69,665	46,046	33,571
Totals, Wage-Earners.....	585,829	586,959	1,143,727	1,108,002	1,188,905	1,076,496
Average Hours per Week.....	46.7	47.2	50.2	48.8	47.5	46.2
MALE						
No.	No.	No.	No.	No.	No.	No.
30 or less.....	15,439	12,868	30,166	39,985	45,414	41,111
31-43.....	75,842	64,780	59,146	68,530	83,293	100,446
44.....	59,983	57,667	58,342	53,563	76,141	89,623
45-47.....	47,877	45,703	47,403	62,701	67,306	75,391
48.....	97,287	103,636	182,783	185,913	182,798	175,116
49-50.....	45,981	48,378	70,870	75,975	80,878	77,019
51-54.....	33,744	37,439	106,657	114,739	100,621	72,781
55.....	16,493	19,766	48,996	49,194	42,214	28,910
56-64.....	56,171	56,837	171,775	158,657	128,751	74,043
65 or over.....	8,224	8,036	67,776	56,837	42,618	31,311
Totals, Male Wage-Earners.....	457,041	455,110	843,914	866,094	850,034	765,751
Average Hours per Week.....	47.3	48.1	51.3	50.4	49.1	47.6
FEMALE						
No.	No.	No.	No.	No.	No.	No.
30 or less.....	8,634	6,981	18,548	34,421	42,403	38,287
31-43.....	23,283	20,817	39,054	60,225	67,987	73,932
44.....	23,780	23,461	29,707	35,401	36,899	40,913
45-47.....	18,391	18,328	33,210	38,160	41,279	41,040
48.....	24,338	26,870	62,116	62,170	62,226	55,059
49-50.....	16,343	17,444	34,564	39,631	35,595	28,312
51-54.....	5,852	8,726	40,572	36,492	27,959	17,630
55.....	4,082	4,550	14,706	13,507	9,751	5,838
56-64.....	4,584	4,230	21,522	18,073	11,544	7,474
65 or over.....	531	442	5,814	3,828	3,428	2,260
Totals, Female Wage-Earners.....	129,788	131,849	299,813	341,908	338,871	310,745
Average Hours per Week.....	44.6	45.2	46.9	44.8	43.6	42.7

¹ For 1938 and 1939, the hours worked do not include overtime, while for 1940 to 1945 overtime is included.

27.—Wage-Earners in Manufacturing Working Specified Numbers of Hours During the Last Week in November, 1946 and 1947¹

Hours Worked per Week	1946			1947		
	All Wage-Earners	Male	Female	All Wage-Earners	Male	Female
	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.
30 or less.....	6.7	4.7	13.1	6.7	4.6	13.7
31-34.....	10.8	8.0	19.7	2.9	2.1	5.5
35-39.....				7.8	6.1	13.6
40.....	9.9	9.6	10.8	12.2	11.9	13.4
41-43.....	11.5	10.6	14.6	10.6	9.2	15.0
44.....	10.3	10.7	8.9	8.5	8.7	7.8
45-47.....	18.2	18.8	16.1	18.7	19.7	15.9
48.....	13.7	15.8	7.1	12.9	15.0	5.7
49-50.....	6.6	7.1	5.0	6.5	7.0	4.9
51-53.....	5.4	6.3	2.5	4.3	4.9	2.0
54.....				1.3	1.6	0.5
55-64.....	6.0	7.3	2.1	6.5	7.8	1.9
65 or over.....	0.9	1.1	0.1	1.1	1.4	0.1
	100.0	100.0	100.0	100.0	100.0	100.0
Average Hours Per Week	43.7	44.9	40.0	43.7	44.9	39.7

1. Includes only establishments employing 15 hands or over.

Subsection 3. —Salaries and Wages in Manufacturing Industries

In 1947, the 32,734 establishments covered, employed 191,100 salaried employees and 940,650 wage-earners, a total of 1,131,750 persons. Out of every 1,000 persons employed in manufacturing 169 were classed as salary earners and 831 as wage-earners; the former earned 23 p.c. and the latter 77 p.c. of the total amount paid out as remuneration for services.

A notable feature during the past few years was the reduction in the disparity between average annual salaries and wages. Whereas in 1939 average annual wages were only 56 p.c. of average annual salaries, in 1943 the percentage rose to 76 and declined to 69 in 1947. This tendency towards equalization was, in part, due to the controls adopted by the Government during the war years which tended to stabilize salaries more so than wages. The increase in average wages was also influenced by the fact that large numbers of wage-earners were employed in the highly paid iron and steel industries and by the increase in number of hours worked, some of it at overtime pay.

Ontario has a larger proportion of females among its salaried employees than the other provinces. The same situation prevails in Quebec with regard to wage-earners, due, no doubt, to the textile industries of the Province. The importance of the textile industries in providing employment to females is strikingly illustrated by the fact that of all female wage-earners engaged in the manufacturing industries of Canada in 1947, 41 p.c. were found in the textile group.

The average salary in 1947 amounted to \$2,484 which was \$738 or 42.3 p.c. higher than in 1939. Salaried employees in Ontario with \$2,581 were the highest paid. Those in Quebec were second with \$2,517, British Columbia third with \$2,403, and Manitoba fourth with \$2,319. The fact that head offices of many large corporations are located in Montreal, Toronto, Winnipeg and Vancouver tends to raise the average salaries in the provinces in which these cities are located.

28.—Salaries and Wages Paid in Manufacturing Industries by Provinces and Industrial Groups, 1947, with Totals for Significant Years, 1917-46

Year	Salaries				Wages			
	Salaried Employees		Total Salaries	Average Salaries	Wage-Earners		Total Wages	Average Wages
	Male	Female			Male	Female		
	No.	No.	\$	\$	No.	No.	\$	\$
1917	64,918		85,353,667	1,315	541,605		412,448,177	762
1920	78,334		141,837,361	1,811	520,559		575,656,515	1,106
1922	71,586		129,336,831	1,811	384,670		359,560,399	935
1924	54,379	15,641	130,341,829	1,837	322,719	94,871	404,122,853	968
1926	58,245	17,092	142,353,900	1,890	374,214	109,580	483,328,342	999
1929	67,731	21,148	175,553,710	1,976	454,768	122,922	601,737,507	1,042
1930	64,161	20,550	169,932,216	2,007	416,790	113,195	527,563,162	995
1931	71,198	20,293	172,289,095	1,883	337,636	99,513	415,277,895	950
1932	68,261	18,780	151,355,790	1,739	288,817	92,966	322,215,926	844
1933	67,875	18,761	139,317,916	1,608	287,266	94,736	296,929,578	777
1934	75,963	20,132	148,760,126	1,615	326,598	101,119	355,090,929	830
1935	76,213	21,717	160,155,080	1,633	353,790	104,944	399,012,697	870
1936	81,409	23,008	173,195,077	1,658	379,977	109,965	438,873,377	896
1937	91,092	24,735	195,983,475	1,692	427,285	117,339	525,743,562	965
1938	95,270	25,319	207,386,381	1,719	409,172	112,255	498,282,208	936
1939	98,163	26,607	217,839,334	1,746	415,481	117,854	519,971,819	975
1940	104,267	31,493	241,599,761	1,780	491,439	135,045	679,273,104	1,084
1941	117,251	41,693	286,336,561	1,801	626,825	175,409	978,525,782	1,220
1942	123,125	54,062	331,870,793	1,856	732,319	212,555	1,347,934,049	1,388
1943	128,679	61,516	388,537,505	2,015	762,824	285,019	1,595,134,879	1,525
1944	126,858	65,700	418,065,594	2,171	744,635	285,689	1,611,555,776	1,564
1945	128,601	62,106	417,857,619	2,191	680,620	248,045	1,427,915,830	1,538
1946	127,002	54,004	410,875,776	2,270	662,699	214,451	1,329,811,478	1,516
PROVINCES, 1947								
Prince Edward Island	369	105	541,115	1,142	1,004	428	1,397,352	976
Nova Scotia	3,227	922	8,085,501	1,881	22,220	3,816	38,027,735	1,461
New Brunswick	2,522	870	6,939,126	2,046	17,170	3,619	32,644,267	1,570
Quebec	44,085	16,485	152,455,062	2,517	229,196	89,680	510,382,552	1,601
Ontario	63,890	30,533	243,676,598	2,581	342,988	100,170	794,300,116	1,792
Manitoba	4,963	1,792	15,666,055	2,319	24,826	7,797	53,306,598	1,634
Saskatchewan	2,157	755	5,182,667	1,780	7,642	1,169	14,479,303	1,643
Alberta	3,486	1,121	9,200,133	1,997	16,203	3,131	32,046,038	1,657
British Columbia	10,422	3,267	32,890,569	2,403	60,046	9,426	134,392,098	1,934
Yukon and Northwest Territories	24	2	57,174	2,195	112	7	256,107	2,152
Totals, 1947	135,218	55,852	474,693,800	2,184	721,407	219,243	1,611,232,166	1,713

INDUSTRIAL GROUP, 1947

Vegetable products	17,579	7,236	58,172,514	2,344	81,381	38,094	182,981,694	1,532
Animal products	13,546	5,014	40,338,266	2,173	60,415	23,131	125,883,099	1,507
Textiles and textile products	12,830	7,838	59,753,126	2,891	65,190	90,207	208,351,763	1,341
Wood and paper products	35,721	11,865	105,528,311	2,218	176,695	24,169	354,843,047	1,767
Iron and its products	28,681	10,982	107,947,338	2,728	212,845	10,974	452,021,163	2,020
Non-ferrous metal products	12,518	5,904	48,460,547	2,631	60,983	16,675	146,477,037	1,886
Non-metallic mineral products	4,618	1,440	15,533,838	2,564	31,002	2,152	63,612,237	1,919
Chemicals and allied products	6,956	3,965	28,231,140	2,558	21,627	5,943	49,248,579	1,786
Miscellaneous industries	2,799	1,608	10,728,720	2,434	11,269	7,898	27,813,547	1,451

¹ The averages of wage earners and earnings for the years 1931 to 1945 are strictly comparable with those for the years up to 1925 but not with those for the intervening years. The figures for the latest years—as for the earliest—represent the earnings for complete man-years of work, with no allowance for periods of unemployment. The difference amounts only to about 3 or 4 p.c. in the total figures and affects chiefly the seasonal industries.

² The increase in the number of salaried employees in 1931 is due to the following changes in method: (1) Prior to 1931 working proprietors, such as bakers, sawmill operators, small clothing manufacturers, etc., were required to report themselves as wage-earners. In 1931 and subsequent years, however, all such proprietors reported themselves as salaried employees. (2) In 1931 travelling salesmen who were attached to the plant, and devoted all or the greater part of their time to selling the products of that plant, were included with salaried employees. Prior to this they were not reported at all.

³ For statistics of annual earnings of wage-earners by sex, see tables 33 and 34.

29.—Salaries and Wages Paid in the Forty Leading Industries, 1947, with Comparative Figures of Average Salaries and Wages Paid in 1946

NOTE.—Industries ranked according to the aggregate salaries and wages paid.

Industry	Salaries						Wages					
	Salaried Employees		Total Salaries	Average Salaries		Wage-Earners		Total Wages	Average Wages			
	Male	Female		1947	1946	Male	Female		1947	1946		
	No.	No.	\$	\$	\$	No.	No.	\$	\$	\$		
1 Pulp and paper.....	5,859	1,847	26,286,577	3,411	3,033	41,413	827	103,191,418	2,443	2,113		
2 Electrical apparatus and supplies.....	7,353	3,790	28,320,997	2,542	2,267	28,481	13,112	75,570,019	1,817	1,523		
3 Sawmills.....	8,902	607	10,539,042	1,089	974	45,181	735	72,821,410	1,586	1,360		
4 Machinery.....	4,559	2,132	16,839,459	2,517	2,316	21,993	1,236	45,130,233	1,943	1,725		
5 Railway rolling-stock.....	1,835	242	5,837,522	2,811	2,616	26,352	97	55,916,713	2,114	1,979		
6 Primary iron and steel.....	2,110	819	8,689,952	2,967	2,820	23,740	264	51,595,416	2,149	1,998		
7 Automobiles.....	2,431	1,038	10,789,150	3,115	2,827	20,169	204	47,618,827	2,337	1,887		
8 Clothing, women's factory.....	2,861	1,927	14,004,323	2,925	2,681	6,182	19,999	36,352,798	1,389	1,285		
9 Bread and other bakery products.....	3,616	1,180	8,467,792	1,766	1,686	19,700	7,005	39,428,473	1,476	1,360		
10 Printing and publishing.....	6,885	3,666	22,195,830	2,104	1,950	10,587	1,967	24,794,879	1,975	1,775		
11 Rubber goods, incl. rubber footwear.....	2,683	1,227	9,547,021	2,442	2,289	14,386	5,179	37,066,872	1,895	1,567		
12 Shipbuilding and repairs.....	1,491	472	5,300,800	2,700	2,656	19,015	141	41,156,907	2,149	1,957		
13 Clothing, men's factory.....	2,477	1,391	11,469,048	2,965	2,687	7,869	18,080	34,017,736	1,311	1,159		
14 Slaughtering and meat-packing.....	3,281	1,138	11,898,489	2,693	2,283	14,157	3,150	32,712,656	1,890	1,675		
15 Furniture.....	2,642	853	8,350,174	2,398	2,112	19,306	1,980	32,897,491	1,545	1,365		
16 Non-ferrous metal smelting and refining.....	2,073	465	7,690,271	3,030	2,805	14,845	66	33,077,600	2,218	1,980		
17 Castings, iron.....	1,378	579	5,353,451	2,736	2,465	15,851	359	32,848,055	2,026	1,779		
18 Automobile supplies.....	1,789	772	7,330,408	2,862	2,513	12,553	2,373	29,229,458	1,958	1,681		
19 Hosiery and knitted goods.....	1,467	1,118	7,053,604	2,729	2,457	7,932	15,994	28,593,059	1,195	1,080		
20 Cotton yarn and cloth.....	801	532	3,860,818	2,896	2,609	13,981	8,775	31,583,595	1,388	1,325		
21 Printing and book-binding.....	3,163	1,458	10,558,665	2,285	2,085	10,578	5,175	24,747,053	1,571	1,400		
22 Sheet metal products.....	2,137	863	7,621,012	2,540	2,256	12,444	2,193	25,640,807	1,752	1,520		
23 Butter and cheese.....	4,178	1,681	8,517,435	1,454	1,363	13,681	1,217	23,888,310	1,603	1,494		
24 Agricultural implements.....	1,733	592	5,261,562	2,263	2,345	13,418	270	25,982,444	1,898	1,735		
25 Boots and shoes, leather.....	1,635	694	6,078,374	2,610	2,343	10,706	8,398	23,961,196	1,254	1,166		
26 Hardware, tools and cutlery.....	1,545	883	6,257,896	2,577	2,416	10,474	2,032	22,646,397	1,811	1,588		
27 Synthetic textiles and silk.....	1,049	578	4,719,413	2,901	2,712	8,451	4,650	19,565,050	1,493	1,291		
28 Planing mills, sash and door factories.....	2,248	470	5,113,433	1,881	1,709	12,960	196	19,148,146	1,455	1,338		
29 Fruit and vegetable preparations.....	1,623	819	5,060,028	2,072	1,877	7,730	6,864	17,139,438	1,174	1,061		
30 Aircraft.....	2,006	630	7,271,163	2,758	2,470	6,483	255	14,150,897	2,100	2,015		
31 Brass and copper products.....	1,187	550	4,889,387	2,815	2,604	7,685	995	16,338,229	1,882	1,630		
32 Breweries.....	1,318	325	5,416,756	2,297	2,145	7,503	232	15,650,336	2,023	1,814		
33 Boxes and bags, paper.....	1,048	600	4,701,112	2,853	2,580	5,580	4,999	14,689,265	1,389	1,188		
34 Petroleum products.....	1,208	253	4,279,073	2,929	2,704	6,229	70	13,598,747	2,159	1,937		
35 Bridge and structural steel.....	1,222	311	5,834,229	3,806	3,003	5,618	27	10,298,362	1,824	1,858		
36 Woollen cloth.....	602	349	2,832,397	2,978	2,698	5,231	4,007	13,085,051	1,416	1,243		
37 Fish curing and packing apparatus.....	1,256	315	2,828,306	1,800	1,543	7,389	3,083	13,032,376	1,244	1,173		
38 Heating and cooking apparatus.....	783	359	2,811,977	2,462	2,359	6,483	228	12,086,411	1,801	1,556		
39 Flour and feed mills.....	1,649	443	4,222,743	2,019	1,769	5,945	248	10,609,316	1,713	1,545		
40 Tobacco, cigars and cigarettes.....	732	452	3,001,343	2,535	2,360	2,809	5,378	11,030,711	1,347	1,185		
Totals, Forty Leading Industries.....	98,815	38,415	337,131,032	2,457	2,236	551,090	152,060	1,232,892,155	1,753	1,548		
Grand Totals, All Industries.....	135,248	55,852	474,693,800	2,484	2,270	721,407	219,243	1,611,232,166	1,713	1,516		

¹ Average salaries and wages paid in the forty leading industries in 1946; the list of leading industries in that year was not quite the same as the list for 1947.

The average wage in 1947 amounted to \$1,713 which was \$738 or 75·7 p.c. higher than in 1939. The manufacturing industries of British Columbia paid the highest average wage of \$1,934, followed by Ontario with \$1,792, Alberta \$1,657, Saskatchewan \$1,643, Manitoba \$1,634, Quebec \$1,601, etc. The high figures shown for Yukon and Northwest Territories in regard to average wages are due to the unusual conditions under which industry is carried on in these regions and are not representative. Statistics of the distribution of employees by provinces and groups as well as average annual earnings are given in Table 28.

Average Annual Earnings in the Forty Leading Industries. In only five industries, bridge and structural steel, pulp and paper, breweries, automobiles, and non-ferrous metal smelting and refining, were average salaries above \$3,000 in 1947. In fifteen others they ranged between \$2,700 and \$3,000. These industries, in descending order, were: woollen cloth, primary iron and steel, men's factory clothing, petroleum products, women's factory clothing, synthetic textiles and silk, cotton yarn and cloth, automobile supplies, boxes and bags, paper, brass and copper products, railway rolling-stock, aircraft, iron castings, hosiery and knitted goods, and shipbuilding and repairs. In fifteen others they ranged between \$2,000 and \$2,700, while in the remaining five they were below \$2,000. The sawmill and butter and cheese industries with \$1,089 and \$1,454, respectively, paid the lowest salaries.

Wages, above \$2,000, were paid in ten industries, in all of which the proportion of skilled workers is high and the proportion of female workers is low. The pulp and paper industry with \$2,443 was the highest in this group, followed by automobiles with \$2,337, non-ferrous metal smelting and refining \$2,218, petroleum products \$2,159, primary iron and steel \$2,149, shipbuilding and repairs \$2,149, railway rolling-stock \$2,114, aircraft \$2,100, iron castings \$2,026 and breweries \$2,023. In seventeen other industries average wages ranged between \$1,500 and \$2,000, while in the remaining thirteen they were below \$1,500. This latter group includes industries made up of a large number of small establishments and in which the proportion of female workers is high. Women's factory clothing, bread and other bakery products, men's factory clothing, hosiery and knitted goods, leather boots and shoes, fruit and vegetable preparations, and paper boxes and bags are some of the industries included in this group. Employment by sex and average annual earnings in the forty leading industries is given in Table 29.

Average Annual, Weekly and Hourly Earnings.—In comparing earnings by provinces or groups, consideration should be given to the type of industries in each case since the distribution of industries has a very definite regional significance. In some industries a labour force possessing deftness and speed or the ability to exercise muscular strength is necessary, in others the labour force must exercise craftsmanship or possess a high degree of technical knowledge. Workers in the latter industries naturally command relatively higher wages than those employed in industries whose employees are routine workers.

The ranking of provinces and industries as regards annual earnings is in many cases different to that of weekly or hourly earnings since the factors of number of weeks worked per year and number of hours worked per week enter into the picture. So that, while in general the same observations apply, a close study of the differences between the averages shown in Tables 28 and 29 and will be of value.

The figures for the years 1934 to 1945 given in Tables 30 to 34 are based on an analysis of a pay-list covering one week in the month of highest employment. For this reason the figures do not refer to any particular month, since the month of highest employment might be May for one firm and October for another; they represent the summation of the different months of highest employment as reported by all the firms. For a particular industry, however, the month of highest employment is more significant as in such case it coincides for a great number of firms engaged in the same industry. The figures for 1946 and 1947 are based on returns received from establishments employing 15 hands or over and refer to the last week in the month of November.

Average weekly earnings of male wage-earners for manufacturing as a whole amounted to \$41.35 in 1947, an increase of \$19.12 or 86·0 p.c. as compared with 1939. Average hourly earnings advanced from 46·2 cents in 1939 to 92·1 cents in 1947, an increase of 99·4 p.c. Annual earnings at \$1,909 were 77·4 p.c. higher.

Female wage-earners received on an average \$23.11 per week in 1947, an increase of \$10.33 or 80·8 p.c. Hourly earnings at 58·2 cents were 105·6 p.c. higher, while annual earnings at \$1,067 were 72·4 p.c. higher.

30.—Average Annual, Weekly and Hourly Earnings of Male and Female Wage-Earners, Employed in Manufacturing Industries, 1934-47

NOTE.—Butter and cheese factories and fish curing and packing plants are excluded in the years 1938 to 1945, while sawmills are also excluded in 1945. By including sawmills, weekly earnings in 1945 would have been about \$34.35 for male wage-earners.

Year	Average Earnings			Hours Worked per Week
	Annual	Weekly	Hourly	
	\$	\$	\$	
ALL WAGE-EARNERS				
1934	830	18.30	0.372	49.2
1935	774	18.50	0.380	48.7
1936	896	18.98	0.389	48.7
1937	965	2	2	48.8
1938	956	19.49	0.417	46.7
1939	975	20.14	0.427	47.2
1940	1,084	22.35	0.446	50.1
1941	1,220	24.95	0.494	50.5
1942	1,383	28.18	0.561	50.2
1943	1,525	29.87	0.612	48.8
1944	1,564	31.05	0.654	47.5
1945	1,538	30.98	0.669	46.3
1946 ^a	1,516	32.38	0.741	43.7
1947 ^b	1,713	37.19	0.851	43.7
MALE				
1934	930	20.31	0.407	49.91
1935	966	20.41	0.413	49.41
1936	995	20.92	0.423	49.41
1937	2	2	2	2
1938	1,055	21.49	0.454	47.3
1939	1,076	22.24	0.462	48.1
1940	1,202	21.83	0.488	50.9
1941	1,355	27.72	0.538	51.5
1942	1,558	31.75	0.619	51.3
1943	1,726	35.80	0.671	50.4
1944	1,761	34.95	0.712	49.1
1945	1,739	35.04	0.736	47.6
1946 ^a	1,702	36.23	0.807	44.9
1947 ^b	1,909	41.35	0.921	44.9

30.—Average Annual, Weekly and Hourly Earnings of Male and Female Wage-Earners, Employed in Manufacturing Industries, 1934-47—concluded

Year	Average Earnings			Hours Worked per week
	Annual	Weekly	Hourly	
	\$	\$	\$	
FEMALE				
1934.....	539	11.80	0.251	46.9 ¹
1935.....	570	12.04	0.259	46.5 ¹
1936.....	577	12.20	0.262	46.5 ¹
1937.....	2	2	2	2
1938.....	594	12.10	0.271	44.6
1939.....	619	12.78	0.283	45.2
1940.....	655	13.52	0.286	47.3
1941.....	736	15.05	0.316	47.6
1942.....	854	17.41	0.371	46.9
1943.....	987	19.33	0.431	44.8
1944.....	1,051	20.89	0.479	43.6
1945.....	984	19.84	0.465	42.7
1946.....	943	20.08	0.502	40.0
1947.....	1,067	23.11	0.582	39.7

¹ Estimated on the basis of hours worked by female wage-earners in 1938 and 1939 as compared with those worked by male wage-earners in those years. ² Not available. ³ Based on weekly earnings and hours worked in the last week of November by establishments employing 15 hands or over.

31. Average Annual, Weekly and Hourly Earnings of All Wage-Earners in the Manufacturing Industries of Canada, by Provinces, 1938-47

Province	Annual			Hours Worked per week
	Annual	Weekly	Hourly	
	\$	\$	cents	
Prince Edward Island—				
1938.....	484	8.49	16.2	52.7
1939.....	506	11.59	23.3	49.6
1940.....	553	13.67	26.0	52.1
1941.....	559	15.19	29.5	51.3
1942.....	613	15.94	30.9	51.5
1943.....	817	23.14	32.0	55.3
1944.....	952	23.63	43.6	53.0
1945.....	884	25.34	50.1	50.6
1946.....	911	21.51	46.2	46.3
1947.....	976	24.75	54.6	45.3
Nova Scotia—				
1938.....	853	16.31	32.4	50.2
1939.....	869	17.80	34.9	50.9
1940.....	960	19.01	36.3	52.4
1941.....	1,076	22.53	42.6	52.7
1942.....	1,295	26.84	49.0	52.6
1943.....	1,456	29.80	57.5	51.5
1944.....	1,570	31.84	64.1	49.5
1945.....	1,519	31.85	67.1	47.3
1946.....	1,398	31.44	68.8	45.7
1947.....	1,461	34.58	75.5	45.8
New Brunswick—				
1938.....	818	15.20	30.6	49.3
1939.....	827	17.11	34.2	49.9
1940.....	955	19.40	37.1	52.1
1941.....	1,021	21.30	39.7	53.3
1942.....	1,129	22.56	43.1	52.1
1943.....	1,241	24.35	47.2	51.1
1944.....	1,330	26.78	53.1	50.0
1945.....	1,362	27.59	57.0	48.9
1946.....	1,390	30.54	66.4	46.0
1947.....	1,570	33.55	73.9	45.4

31.—Average Annual, Weekly and Hourly Earnings of All Wage-Earners in Manufacturing Industries, by Provinces, 1938-47—concluded

Province and Year	Annual	Weekly	Hourly	Hours Worked per week
	\$	\$	cents	No.
Quebec—				
1938.....	853	17.26	36.1	47.6
1939.....	873	17.81	37.0	47.8
1940.....	974	19.93	39.1	50.6
1941.....	1,103	22.78	43.8	51.5
1942.....	1,259	25.82	49.7	51.3
1943.....	1,424	28.07	55.2	50.2
1944.....	1,473	29.59	59.4	49.3
1945.....	1,463	31.55	60.9	48.0
1946.....	1,445	30.51	67.2	45.4
1947.....	1,601	34.82	76.7	45.4
Ontario—				
1938.....	1,008	20.81	44.9	46.1
1939.....	1,026	21.60	45.9	46.9
1940.....	1,153	23.98	47.4	50.3
1941.....	1,309	26.19	51.5	50.5
1942.....	1,463	29.27	58.5	49.7
1943.....	1,591	30.45	62.9	47.9
1944.....	1,618	31.61	67.5	46.3
1945.....	1,577	31.37	68.8	45.1
1946.....	1,552	33.26	77.7	42.8
1947.....	1,792	38.57	89.7	43.0
Manitoba—				
1938.....	1,034	22.00	49.5	44.2
1939.....	1,068	21.59	48.7	44.3
1940.....	1,088	22.38	46.3	48.1
1941.....	1,182	24.32	50.1	48.3
1942.....	1,268	25.42	52.8	48.7
1943.....	1,370	26.99	56.0	47.7
1944.....	1,452	28.25	61.0	45.9
1945.....	1,464	28.69	63.1	45.1
1946.....	1,491	31.16	72.8	42.8
1947.....	1,634	35.59	82.0	43.4
Saskatchewan—				
1938.....	1,037	19.84	41.3	47.9
1939.....	1,027	20.07	42.0	47.7
1940.....	1,031	20.16	39.6	50.6
1941.....	1,097	22.18	42.7	51.8
1942.....	1,232	24.97	47.9	52.0
1943.....	1,378	27.80	54.3	51.1
1944.....	1,405	28.38	56.8	49.7
1945.....	1,415	29.78	64.5	45.9
1946.....	1,455	32.78	74.5	44.0
1947.....	1,643	36.63	84.5	43.3
Alberta—				
1938.....	1,009	20.64	44.4	46.4
1939.....	1,050	21.36	45.9	46.4
1940.....	1,078	21.66	44.3	48.6
1941.....	1,118	23.26	46.5	49.9
1942.....	1,294	25.07	49.8	50.1
1943.....	1,374	27.22	55.8	48.5
1944.....	1,436	28.95	60.1	48.0
1945.....	1,452	29.61	65.1	45.2
1946.....	1,477	32.40	75.0	43.2
1947.....	1,657	36.81	84.2	43.7
British Columbia—				
1938.....	1,128	22.46	50.5	44.4
1939.....	1,153	22.59	49.5	45.5
1940.....	1,250	24.64	53.5	46.0
1941.....	1,359	27.37	59.7	46.1
1942.....	1,633	33.30	71.5	46.4
1943.....	1,799	35.27	76.9	45.8
1944.....	1,809	35.61	79.2	44.9
1945.....	1,765	33.10	76.8	42.9
1946.....	1,750	36.83	89.4	41.2
1947.....	1,934	41.55	103.6	40.4
Yukon and Northwest Territories—				
1938.....	1,734	33.28	63.6	52.3
1939.....	1,544	34.91	67.5	51.8
1940.....	2,033	31.56	57.1	55.5
1941.....	1,670	40.04	72.5	55.3
1942.....	2,030	45.20	93.0	48.9
1943.....	1,922	45.79	91.0	50.3
1944.....	2,110	48.96	98.7	49.6
1945.....	2,249	..	..	..
1946.....	2,152	..	..	..
1947.....	..	..	..	..

32.—Average Annual Weekly and Hourly Earnings of All Wage-Earners in Manufacturing Industries, by Industrial Groups, 1938-47

Group and Year	Annual	Weekly	Hourly	Hours Worked per week
Vegetable Products—	\$	\$	cents	No.
1938.....	865	10.72	34.4	48.1
1939.....	878	16.91	34.6	48.4
1940.....	911	18.01	35.6	50.1
1941.....	994	19.87	39.1	50.4
1942.....	1,098	21.21	42.3	49.5
1943.....	1,193	22.53	47.0	47.2
1944.....	1,266	23.87	50.6	46.5
1945.....	1,304	25.02	53.1	46.4
1946.....	1,359	29.34	65.9	44.0
1947.....	1,532	33.07	76.2	43.4
Animal Products				
1938.....	864	16.43	34.6	47.4
1939.....	879	18.01	37.9	47.3
1940.....	917	19.68	39.4	49.7
1941.....	995	21.31	42.5	47.7
1942.....	1,085	23.33	46.8	49.5
1943.....	1,197	24.31	50.7	47.5
1944.....	1,266	25.75	55.6	45.9
1945.....	1,306	26.41	58.5	44.8
1946.....	1,371	28.97	66.2	43.4
1947.....	1,507	33.92	77.8	43.6
Textiles and Textile Products				
1938.....	739	15.17	33.1	45.7
1939.....	763	16.38	35.0	46.6
1940.....	836	17.49	35.9	48.5
1941.....	889	18.85	38.9	48.2
1942.....	989	20.00	41.7	47.5
1943.....	1,060	21.13	45.3	46.2
1944.....	1,118	22.18	48.8	44.9
1945.....	1,147	22.84	50.9	44.4
1946.....	1,212	24.73	58.6	42.2
1947.....	1,341	28.09	67.2	41.8
Wood and Paper Products				
1938.....	980	19.52	39.7	49.0
1939.....	1,003	19.97	40.3	49.9
1940.....	1,083	21.36	41.4	51.4
1941.....	1,152	23.28	44.7	52.0
1942.....	1,255	24.79	48.0	51.4
1943.....	1,336	26.12	51.8	50.1
1944.....	1,401	27.57	55.4	49.4
1945.....	1,424	29.38	62.3	46.7
1946.....	1,543	33.68	74.8	44.8
1947.....	1,767	39.16	87.6	44.7
Iron and its Products				
1938.....	1,154	25.33	57.1	44.3
1939.....	1,189	25.75	57.2	44.9
1940.....	1,405	29.48	58.2	50.7
1941.....	1,577	31.11	60.3	51.5
1942.....	1,750	35.95	69.8	51.3
1943.....	1,893	37.09	73.4	50.4
1944.....	1,939	39.13	80.3	48.7
1945.....	1,918	37.42	79.5	47.0
1946.....	1,803	38.11	87.2	43.7
1947.....	2,020	43.21	97.1	44.5
Non-ferrous Metal Products				
1938.....	1,142	22.79	51.1	44.5
1939.....	1,161	23.52	50.8	46.3
1940.....	1,252	25.43	49.8	50.8
1941.....	1,371	28.52	55.4	51.4
1942.....	1,535	30.53	58.7	50.9
1943.....	1,893	31.40	63.7	49.0
1944.....	1,645	31.64	66.9	47.1
1945.....	1,662	32.83	71.1	45.9
1946.....	1,618	35.51	80.7	44.0
1947.....	1,886	39.92	92.2	43.3
Non-metallic Mineral Products				
1938.....	1,173	22.15	46.7	47.3
1939.....	1,169	23.70	50.2	47.1
1940.....	1,236	24.37	49.4	49.2
1941.....	1,349	27.11	54.4	49.8
1942.....	1,472	28.84	58.6	49.1
1943.....	1,614	31.09	63.7	48.7
1944.....	1,667	32.52	67.6	47.9
1945.....	1,650	31.97	68.0	46.9
1946.....	1,654	33.84	75.5	44.7
1947.....	1,919	40.45	89.7	45.1

32.—Average Annual, Weekly and Hourly Earnings of All Wage-Earners in Manufacturing Industries, by Industrial Groups, 1938-47—concluded

Group and Year	Annual	Weekly	Hourly	Hours Worked per week
	\$	\$	cents	No.
Chemicals and Allied Products—				
1938.....	1,017	19.48	44.2	43.9
1939.....	1,057	20.16	44.9	44.7
1940.....	1,115	21.64	45.4	47.4
1941.....	1,274	24.57	49.5	49.4
1942.....	1,345	26.52	54.4	48.6
1943.....	1,485	27.62	57.3	47.8
1944.....	1,540	29.69	63.6	46.4
1945.....	1,585	29.23	63.3	45.9
1946.....	1,563	32.46	73.1	44.4
1947.....	1,786	37.14	84.8	43.8
Miscellaneous Industries—				
1938.....	850	17.87	39.0	45.7
1939.....	863	17.73	38.5	45.9
1940.....	916	18.65	38.0	49.0
1941.....	1,017	21.98	43.2	50.6
1942.....	1,118	25.35	50.7	48.7
1943.....	1,383	27.50	58.5	46.5
1944.....	1,437	26.62	59.8	44.1
1945.....	1,345	27.38	61.3	44.2
1946.....	1,295	26.69	62.0	42.8
1947.....	1,451	31.18	73.7	42.3

33.—Average Annual, Weekly and Hourly Earnings of Male and Female Wage-Earners in Manufacturing Industries, by Provinces, 1938-47

Province and Year	MALE				FEMALE			
	Annual	Weekly	Hourly	Hours Worked per Week	Annual	Weekly	Hourly	Hours Worked per Week
					\$	\$	cents	No.
Prince Edward Island—								
1938.....	549	10.31	19.8	52.2	328	6.16	11.6	53.3
1939.....	581	12.88	25.9	49.7	288	7.50	15.2	49.2
1940.....	644	15.31	28.8	53.1	325	7.71	16.0	48.3
1941.....	645	16.70	32.2	51.9	352	9.10	18.6	48.8
1942.....	652	17.35	33.5	51.7	422	10.75	21.2	50.8
1943.....	902	26.44	47.2	56.0	459	12.25	23.2	52.8
1944.....	1,172	28.10	50.0	56.3	500	12.00	27.0	44.5
1945.....	1,089	30.00	59.3	50.6	557	15.49	30.7	50.5
1946.....	1,097	25.42	54.2	46.9	555	12.87	28.6	45.0
1947.....	1,131	28.01	59.6	47.0	613	15.19	37.7	40.3
Nova Scotia—								
1938.....	926	17.06	35.6	50.4	469	9.11	18.4	49.4
1939.....	939	19.20	37.6	51.0	539	11.03	21.8	50.6
1940.....	1,040	20.47	39.0	52.5	569	11.19	21.7	51.6
1941.....	1,171	24.42	45.9	53.2	566	11.80	23.6	50.1
1942.....	1,377	23.84	52.2	53.2	779	13.66	28.2	48.5
1943.....	1,571	32.22	61.5	52.4	853	17.51	37.1	47.2
1944.....	1,677	34.01	68.0	50.0	968	19.63	42.0	46.8
1945.....	1,640	34.67	72.8	47.6	799	16.89	36.8	45.9
1946.....	1,502	33.90	73.7	46.0	762	17.18	39.4	43.6
1947.....	1,584	37.47	81.1	46.2	744	17.62	40.6	43.4
New Brunswick—								
1938.....	890	16.89	33.7	50.1	410	7.78	16.9	45.9
1939.....	894	18.18	36.1	50.3	493	10.01	21.3	46.9
1940.....	1,023	20.54	39.1	52.5	580	11.64	23.7	49.2
1941.....	1,104	22.31	42.2	54.0	573	11.84	24.1	49.2
1942.....	1,228	24.11	45.7	52.7	674	13.26	27.2	48.8
1943.....	1,369	26.69	50.9	52.4	720	14.04	30.7	45.7
1944.....	1,474	29.19	57.1	51.1	765	15.16	33.8	44.8
1945.....	1,515	31.67	63.1	50.2	744	15.54	35.2	44.1
1946.....	1,528	33.58	71.9	46.7	781	17.16	40.0	42.9
1947.....	1,714	37.05	79.5	46.6	890	19.22	47.7	40.3

**33.—Average Annual, Weekly and Hourly Earnings of Male and Female Wage-Earners
in Manufacturing Industries, by Provinces, 1938-47—continued**

Province and Year	Male				Female			
	Annual	Weekly	Hourly	Hours Worked per Week	Annual	Weekly	Hourly	Hours Worked per Week
	\$	\$	cents	No.	\$	\$	cents	No.
Quebec—								
1938.....	964	19.46	40.1	48.5	569	11.48	25.5	45.1
1939.....	984	20.03	41.0	48.8	596	12.14	26.7	45.4
1940.....	1,112	22.75	43.8	51.9	620	12.70	26.9	47.2
1941.....	1,260	26.14	49.3	53.0	697	14.46	30.3	47.8
1942.....	1,463	30.12	56.7	53.1	787	16.22	34.2	47.4
1943.....	1,642	32.49	62.2	52.2	916	18.09	39.4	45.9
1944.....	1,671	33.53	65.6	51.1	1,001	20.09	44.6	45.0
1945.....	1,684	34.13	68.7	49.7	935	18.97	42.9	44.2
1946.....	1,660	34.95	74.2	47.1	926	19.49	47.3	41.2
1947.....	1,830	39.06	84.2	47.1	1,016	22.02	54.1	40.7
Ontario—								
1938.....	1,105	22.92	49.1	46.7	627	13.03	29.7	43.9
1939.....	1,127	23.85	50.3	47.4	640	13.54	30.1	45.0
1940.....	1,268	26.63	52.1	51.1	685	14.37	30.3	47.5
1941.....	1,450	29.39	57.2	51.4	780	15.82	33.2	47.6
1942.....	1,646	33.24	65.4	50.8	918	18.59	39.8	46.7
1943.....	1,812	34.99	70.4	49.7	1,042	20.13	45.9	43.9
1944.....	1,843	36.30	75.4	48.1	1,084	21.35	50.2	42.5
1945.....	1,790	36.02	77.1	46.7	1,024	20.61	49.5	41.6
1946.....	1,738	37.09	84.3	44.0	963	20.53	52.9	38.8
1947.....	1,988	42.70	96.6	44.2	1,153	24.13	62.2	38.8
Manitoba—								
1938.....	1,127	24.15	54.1	44.6	576	12.35	29.0	42.6
1939.....	1,165	23.61	53.1	44.5	623	12.64	29.3	43.2
1940.....	1,179	24.30	49.9	43.7	660	13.60	29.9	45.5
1941.....	1,291	26.56	54.3	48.9	684	14.09	30.8	45.8
1942.....	1,436	29.07	58.5	49.7	757	15.32	33.7	45.4
1943.....	1,553	30.86	62.6	49.3	829	16.48	38.0	43.4
1944.....	1,653	32.36	68.6	47.2	932	18.24	42.5	42.9
1945.....	1,667	32.88	71.3	46.1	914	18.03	42.3	42.6
1946.....	1,662	34.51	78.8	43.8	949	19.72	49.8	39.6
1947.....	1,818	39.20	88.1	44.5	1,049	22.63	57.0	39.7
Saskatchewan—								
1938.....	1,066	20.33	42.2	48.2	620	11.84	27.5	43.0
1939.....	1,059	20.62	43.0	48.0	592	11.53	26.7	43.2
1940.....	1,066	20.67	40.5	51.0	599	11.61	26.1	44.5
1941.....	1,136	22.81	43.7	52.2	687	13.81	29.8	46.4
1942.....	1,279	25.94	49.2	52.7	895	18.17	38.9	46.9
1943.....	1,461	29.34	56.8	51.7	1,005	20.19	41.9	48.2
1944.....	1,500	29.99	58.9	50.9	993	19.86	45.8	43.4
1945.....	1,526	32.36	69.4	46.6	934	19.81	45.6	43.4
1946.....	1,531	34.11	77.0	44.3	1,007	22.45	54.5	41.2
1947.....	1,726	39.16	87.5	43.8	1,106	25.10	62.3	40.3
Alberta—								
1938.....	1,051	21.42	45.9	46.7	671	13.67	31.3	43.7
1939.....	1,096	22.23	47.6	46.7	676	13.72	31.4	43.7
1940.....	1,134	22.53	46.3	48.7	638	14.19	26.8	47.4
1941.....	1,173	24.32	48.3	50.4	716	14.83	32.5	45.6
1942.....	1,309	26.93	52.9	50.9	801	16.50	35.2	46.4
1943.....	1,492	29.49	59.7	49.4	925	18.30	40.5	45.2
1944.....	1,568	31.50	64.4	48.9	996	20.01	44.8	44.7
1945.....	1,599	32.54	70.7	46.0	961	19.55	46.0	42.5
1946.....	1,552	34.50	79.3	43.5	981	21.38	51.4	41.6
1947.....	1,758	39.07	88.6	44.1	1,136	25.25	60.4	41.8
British Columbia—								
1938.....	1,169	23.54	52.7	44.7	673	13.55	32.6	41.6
1939.....	1,201	23.73	51.8	45.8	652	12.89	29.8	43.2
1940.....	1,303	26.00	56.2	46.3	681	13.60	31.3	43.4
1941.....	1,417	28.99	62.6	46.3	743	15.18	34.3	44.2
1942.....	1,713	35.42	75.8	46.7	939	19.44	43.7	44.5
1943.....	1,903	37.57	81.3	46.2	1,239	24.46	56.0	43.7

¹ Includes Yukon.

33.—Average Annual, Weekly and Hourly Earnings of Male and Female Wage-Earners in Manufacturing Industries, by Provinces, 1938-47—concluded

Province and Year	MALE				FEMALE			
	Annual	Weekly	Hourly	Hours Worked per Week	Annual	Weekly	Hourly	Hours Worked per Week
				No.				No.
\$	\$	cents			\$	\$	cents	No.
British Columbia—concluded								
1944.....	1,920	38.08	84.3	45.2	1,288	25.57	58.4	43.8
1945.....	1,879	36.21	83.4	43.4	1,139	21.96	53.4	41.1
1946.....	1,956	39.01	94.0	41.5	1,156	23.05	58.8	39.2
1947.....	2,045	43.55	107.8	40.4	1,229	26.19	68.2	38.4
Yukon and Northwest Territories—								
1939.....	1,734	33.28	63.6	52.3				
1940.....	1,596	35.81	69.3	51.7	741	16.60	31.3	53.0
1941.....	2,081	31.97	58.0	55.1	1,259	19.33	29.0	66.7
1942.....	1,703	40.74	73.8	55.2	723	17.33	28.9	60.0
1943.....	2,092	46.38	95.6	48.5	676	15.00	25.0	60.0
1944.....	1,922	45.79	91.0	50.3				
1945.....	2,110	48.96	98.7	49.6				
1946.....								
1947.....								

34.—Average Annual Weekly and Hourly Earnings of Male and Female Wage-Earners in Manufacturing Industries, by Industrial Groups, 1938-47

Group and Year	MALE				FEMALE			
	Annual	Weekly	Hourly	Hours Worked per Week	Annual	Weekly	Hourly	Hours Worked per Week
				No.				No.
\$	\$	cents			\$	\$	cents	No.
Vegetable Products—								
1938.....	988	10.46	39.0	49.9	571	11.24	25.3	44.5
1939.....	1,006	19.75	39.4	50.1	576	11.32	25.2	45.0
1940.....	1,048	21.25	41.1	51.7	593	12.02	25.5	47.1
1941.....	1,150	23.55	45.3	52.0	665	13.62	28.6	47.7
1942.....	1,305	25.81	49.7	51.9	716	14.15	30.8	45.9
1943.....	1,440	27.81	55.4	50.2	785	15.16	35.3	43.0
1944.....	1,522	29.15	59.0	49.4	848	16.25	38.4	42.3
1945.....	1,563	30.49	62.2	49.0	850	16.59	39.2	42.3
1946.....	1,593	34.29	74.5	46.0	883	18.98	47.8	39.7
1947.....	1,786	38.90	85.5	45.5	989	21.54	54.8	39.3
Animal Products—								
1938.....	953	18.91	39.5	47.9	538	10.68	23.1	46.3
1939.....	957	20.18	42.1	47.9	603	12.72	27.8	45.7
1940.....	998	21.98	43.6	50.4	638	14.05	29.2	48.1
1941.....	1,116	24.71	48.6	50.8	637	14.11	29.7	47.5
1942.....	1,228	27.29	53.8	50.7	719	15.88	33.7	47.1
1943.....	1,369	28.58	58.2	49.1	799	16.70	37.4	44.7
1944.....	1,445	30.21	63.5	47.6	860	17.96	41.9	42.9
1945.....	1,490	30.73	66.7	46.1	890	18.34	43.3	42.4
1946.....	1,548	32.68	73.1	44.7	927	19.58	48.7	40.2
1947.....	1,697	37.89	84.2	45.0	1,011	22.57	57.0	39.6
Textiles and Textile Products—								
1939.....	895	18.38	39.2	46.9	605	12.43	27.9	44.6
1939.....	929	19.96	41.8	47.7	622	13.37	29.3	45.7
1940.....	1,040	21.79	43.8	49.7	669	14.02	29.5	47.5
1941.....	1,111	23.74	47.6	49.9	718	15.33	32.6	47.0
1942.....	1,284	26.07	52.3	49.8	792	16.10	34.9	46.1
1943.....	1,406	28.14	57.5	48.9	848	16.97	38.0	44.6
1944.....	1,482	29.49	61.4	48.0	895	17.82	41.3	43.1
1945.....	1,519	30.25	63.7	47.5	919	18.32	43.1	42.5
1946.....	1,557	31.53	69.0	45.7	976	19.76	49.9	39.6
1947.....	1,723	36.08	80.0	45.1	1,065	22.36	56.6	39.4

34.—Average Annual, Weekly and Hourly Earnings of Male and Female Wage-Earners in Manufacturing Industries, by Industrial Groups, 1938-47—concluded

Group and Year	MALE				FEMALE			
	Annual	Weekly	Hourly	Hours Worked per Week	Annual	Weekly	Hourly	Hours Worked per Week
				No.				No.
	\$	\$	cents		\$	\$	cents	
Wood and Paper Products—								
1938.....	1,013	20·08	40·6	49·4	639	12·68	28·6	44·4
1939.....	1,040	20·59	41·3	49·9	632	12·52	28·1	44·6
1940.....	1,123	22·10	42·6	51·9	654	12·86	27·8	46·2
1941.....	1,203	24·25	46·2	52·5	685	13·79	29·5	46·7
1942.....	1,323	26·04	49·9	52·2	763	15·05	33·1	45·4
1943.....	1,431	27·86	54·3	51·3	821	16·00	37·0	43·2
1944.....	1,508	29·48	58·1	50·7	844	16·50	39·4	41·9
1945.....	1,547	32·34	67·5	47·9	815	17·03	40·6	41·9
1946.....	1,642	36·28	79·7	45·5	875	19·34	47·5	40·7
1947.....	1,871	41·63	91·7	45·4	1,003	22·30	55·9	39·9
Iron and Its Products—								
1938.....	1,169	25·65	57·8	44·4	687	15·09	36·0	41·9
1939.....	1,206	26·11	58·0	45·0	703	15·21	34·6	43·9
1940.....	1,428	30·00	59·1	50·8	755	15·87	33·6	47·3
1941.....	1,615	32·01	61·9	51·7	853	16·91	34·7	48·8
1942.....	1,819	37·71	72·9	51·6	1,111	23·06	46·8	49·3
1943.....	1,978	38·92	76·3	51·0	1,371	26·98	57·2	47·2
1944.....	2,003	40·53	82·5	49·1	1,546	31·30	67·7	46·2
1945.....	1,978	38·86	82·0	47·4	1,365	26·82	60·8	44·1
1946.....	1,844	39·03	88·9	43·9	1,086	22·98	55·5	41·4
1947.....	2,057	43·98	98·6	44·6	1,296	27·70	66·9	41·4
Non-ferrous Metal Products—								
1938.....	1,201	23·97	53·7	44·6	742	14·81	34·0	43·5
1939.....	1,241	25·24	54·3	46·5	660	13·43	30·0	44·8
1940.....	1,347	27·45	53·5	51·3	717	14·62	30·2	48·4
1941.....	1,492	31·28	60·4	51·8	785	16·49	33·4	49·4
1942.....	1,681	33·72	64·2	51·4	1,009	20·25	41·1	49·3
1943.....	1,799	34·97	69·9	50·0	1,144	22·24	48·0	46·3
1944.....	1,846	35·65	74·0	48·2	1,169	22·56	50·7	44·5
1945.....	1,841	36·64	77·8	47·1	1,193	23·76	55·0	43·2
1946.....	1,776	37·15	85·0	43·7	1,117	23·37	57·7	40·5
1947.....	2,032	43·04	97·6	44·1	1,353	28·66	70·6	40·6
Non-metallic Mineral Products—								
1938.....	1,195	22·52	47·5	47·4	543	10·22	22·2	46·1
1939.....	1,184	24·04	50·9	47·2	747	15·16	33·7	45·0
1940.....	1,262	24·90	50·4	49·4	649	12·81	27·9	45·9
1941.....	1,384	27·88	55·8	50·0	734	14·78	32·1	46·0
1942.....	1,522	29·93	60·7	49·3	878	17·27	36·2	47·6
1943.....	1,698	32·75	66·6	49·2	954	18·42	41·3	44·6
1944.....	1,750	34·18	70·5	48·5	1,078	21·06	47·7	44·2
1945.....	1,725	33·46	70·6	47·4	1,088	21·10	48·6	43·4
1946.....	1,708	35·31	78·3	45·1	1,064	21·99	52·6	41·8
1947.....	1,960	41·40	91·6	45·2	1,317	27·82	64·1	43·4
Chemicals and Allied Products—								
1938.....	1,128	21·63	48·7	44·4	626	12·00	23·4	42·3
1939.....	1,169	22·25	49·3	45·1	657	12·51	28·9	43·3
1940.....	1,240	24·16	50·3	48·0	655	12·76	28·2	45·3
1941.....	1,419	28·38	56·6	50·1	820	16·40	34·3	47·8
1942.....	1,557	30·89	62·6	49·4	968	19·23	40·7	47·3
1943.....	1,788	33·42	67·8	49·3	1,025	19·16	41·9	45·7
1944.....	1,777	34·40	71·7	48·0	1,166	22·57	51·3	44·0
1945.....	1,803	33·83	71·4	47·4	1,143	21·45	49·5	43·3
1946.....	1,777	35·97	79·4	45·3	956	19·35	47·2	41·0
1947.....	1,984	40·90	91·5	44·7	1,067	21·99	54·7	40·2
Miscellaneous Industries—								
1938.....	929	19·55	42·3	46·2	619	13·03	29·4	44·3
1939.....	947	19·44	41·9	46·4	628	12·88	29·0	44·4
1940.....	1,015	20·82	42·0	49·6	657	13·47	28·3	47·6
1941.....	1,167	25·41	49·3	51·5	666	14·51	29·9	48·6
1942.....	1,306	29·26	58·5	50·0	771	17·29	37·3	46·4
1943.....	1,643	32·87	67·4	48·8	997	19·96	46·1	43·3
1944.....	1,664	30·81	66·8	46·1	1,108	20·52	49·7	41·3
1945.....	1,607	32·70	71·2	45·9	951	19·36	46·4	41·7
1946.....	1,502	30·91	70·4	43·9	945	19·43	47·4	41·0
1947.....	1,709	35·75	81·8	43·7	1,084	22·67	57·1	39·7

Real Earnings of Employees in Recent Years.—When the index number representing the average yearly wages is divided by the index number of the cost of living, on the same base, a measure of "real" wages is obtained. Index numbers for 1931 to 1947 are given in Table 35. In 1933, the height of the depression, real wages were 88·3 on the 1935-39 base. From then on they rose steadily and stood at 141·1 in 1944, an increase of about 60 p.c. In 1946 real wages dropped to 131·6 and rose again to 135·6 in 1947.

35.—Average Yearly Earnings, and Index Numbers of Earnings, Cost of Living and Real Wages of Wage-Earners, in Manufacturing Industries, 1931-47

NOTE.—Figures on the 1917 base, with qualifications as to comparability, for 1917 to 1930 are published at p. 421 of the 1939 Canada Year Book.

Year	Wages Paid	Average Wage-Earners	Average Yearly Earnings	Index Numbers (1935-39=100)		
				Average Yearly Earnings	Cost of Living	Real Value of Average Yearly Earnings
	\$	No.	\$			
1931.....	415,277,895	437,149	950	101·9	109·1	93·4
1932.....	322,245,926	381,783	844	90·6	99·0	91·5
1933.....	296,929,875	382,022	777	83·4	94·4	88·3
1934.....	355,090,929	427,717	830	89·1	95·7	93·1
1935.....	399,012,697	458,734	870	93·3	96·2	97·0
1936.....	438,873,377	489,942	896	96·1	98·1	98·0
1937.....	525,743,562	544,624	965	103·5	101·2	102·3
1938.....	498,282,208	521,427	956	102·6	102·2	100·4
1939.....	519,971,819	533,342	975	104·6	101·5	103·1
1940.....	679,273,104	626,484	1,084	116·3	105·6	110·1
1941.....	978,525,782	802,234	1,220	130·9	111·7	117·2
1942.....	1,347,934,049	974,904	1,383	148·4	117·0	126·8
1943.....	1,598,434,879	1,047,873	1,525	163·6	118·4	138·2
1944.....	1,611,555,776	1,030,324	1,564	167·8	118·9	141·1
1945.....	1,427,915,830	928,665	1,538	165·0	119·5	138·1
1946.....	1,329,811,478	877,150	1,516	162·7	123·6*	131·6
1947.....	1,611,232,166	940,650	1,713	183·8	135·5	135·6

Percentages of Salaries and Wages to Net Value of Products.—Table 36 shows the relation between salaries and wages paid by manufacturers and the total net value of production. Figures of gross production are often used in such calculations, but the values out of which the wages of employees must come in the long run are the values added to the raw materials while they are in the factory. Such added values constitute the real production of the manufacturing plant and are alone available for payment of salaries and wages, interest, rent, taxes, repairs, and all other overhead charges that ordinarily must be met. The percentage declined steadily with the increasing manufacturing production from 1924 to 1929, while from 1931 to 1935 and again in 1938 and 1939, due to decreased industrial activity, the percentage of salaries to value added was above normal. It should be borne in mind, however, that salaried employees increased 173 p.c. during the period 1924-47 while wage-earners increased 125 p.c. The percentage of wages has fluctuated much less than that of salaries. The number of wage-earning employees may be more rapidly adjusted to the activity of the industry and wage levels likewise may be more readily adjusted to the price levels of the products. Of the increase in the net value of production since 1939 amounting to \$2,761,003,901, \$1,348,114,813 or 48·8 p.c. was passed along in increased salaries and wages.

36.—Percentages of Salaries and Wages Paid to the Total Net Values of Manufacturing Production, 1924-47

Year	Value Added by Processes of Manufacture ¹	Percentages—				
		Salaries Paid	Wages Paid	of Salaries to Value Added	of Wages to Value Added	of Total Salaries and Wages to Value Added
	\$	\$	\$	p.c.	p.c.	p.c.
1924.....	1,075,458,450	130,344,822	404,122,853	12·1	37·6	49·7
1925.....	1,167,936,726	133,409,498	436,534,944	11·4	37·4	48·8
1926.....	1,305,168,549	142,353,900	483,328,342	10·9	37·0	47·9
1927.....	1,427,649,292	151,419,411	511,285,921	10·6	35·8	46·4
1928.....	1,597,887,676	162,903,007	558,568,627	10·2	35·0	45·2
1929.....	1,755,386,937	175,553,710	601,737,507	10·0	34·3	44·3
1930.....	1,522,737,125	169,992,216	527,563,162	11·2	34·6	45·8
1931.....	1,252,017,248	172,289,095	415,277,895	13·8	33·2	47·0
1932.....	955,950,724	151,355,790	322,245,926	15·8	33·7	49·5
1933.....	919,671,181	139,317,946	296,929,878	15·1	32·3	47·4
1934.....	1,087,301,742	148,760,126	355,090,929	13·7	32·7	46·4
1935.....	1,153,485,104	160,455,080	399,012,697	13·9	34·6	48·5
1936.....	1,289,592,672	173,198,057	438,873,377	13·4	34·0	47·4
1937.....	1,508,924,867	195,983,475	525,743,562	13·0	34·8	47·8
1938.....	1,428,286,778	207,386,381	498,292,208	14·5	34·9	49·4
1939.....	1,531,051,901	217,839,334	519,971,819	14·2	34·0	48·2
1940.....	1,942,471,238	241,599,761	679,273,104	12·0	35·0	47·0
1941.....	2,605,119,788	286,336,861	978,525,782	11·0	37·6	48·6
1942.....	3,309,973,758	334,870,793	1,347,934,049	10·1	40·7	50·8
1943.....	3,816,413,541	388,857,505	1,598,434,879	10·2	42·0	52·2
1944.....	4,015,776,010	418,065,594	1,611,555,776	10·4	40·2	50·6
1945.....	3,564,315,899	417,857,619	1,427,915,830	11·7	40·1	51·8
1946.....	3,467,004,980	410,875,776	1,329,811,478	11·8	35·4	50·2
1947.....	4,293,055,802	474,693,800	1,611,232,166	11·0	37·6	48·6

¹ Equivalent to "net value of products"; see footnote 1, Table 1, p. 7.

Subsection 4.—Size of Manufacturing Establishments

The size of the manufacturing establishment is generally measured either by the value of product, or by the number of employees, but each of these methods has its limitations. The latter takes no account of the differences in capital equipment at different times or in various industries and obviously the increased use of machinery, as in the flour-milling industry, may lead to an increase in production concurrently with a decrease in number of employees. The former measure has to be adjusted for changes in the price level and, as between industries, it makes those in which the cost of raw materials is relatively high appear to operate on a larger scale.

Size as Measured by Gross Value of Products. While in 1922 the 420 establishments each producing over \$1,000,000 had an aggregate value of products of \$1,268,056,129 or 51 p.c. of the total production of all manufacturing industries the 719 establishments producing over \$1,000,000 each in 1929 had an aggregate value of products of \$2,516,064,954, or 62 p.c. of the grand total for all manufacturing establishments—a very significant change in the short period of eight years. In 1931, however, the number of plants with a production of over \$1,000,000 dropped again to 482, their output being valued at \$1,451,658,954, or 53 p.c. of the total. With the increased production resulting from war needs, the number of plants with a production of \$1,000,000 or over jumped to 1,376 in 1944 and their output was about 75 p.c. of the total value of manufactures. With the end of the war and the consequent decline in production of the huge war plants the number of establishments with a production of \$1,000,000 or over, although increasing to 1,442 in 1946, nevertheless saw a decline in the proportion of their output to 67 p.c. of the total.

With increased prices and an expansion in the physical volume of production in 1947, establishments with a production of \$1,000,000 or over increased to 1,716, while their contribution to the total output rose to 71·6 p.c.

37.—Manufacturing Establishments and Total and Average Production, Classified by Value of Products Groups, 1929, 1939, 1944 and 1947

Group of Gross Values	1929 ¹			1939 ²		
	Estab- lishments	Total Production	Average per Establish- ment			Average per Establish- ment
				Estab- lishments	Total Production	
Under \$25,000.....	No.	\$	\$	No.	\$	\$
\$ 25,000 but under \$ 50,000...	14,024	106,735,470	7,611	15,623	120,903,054	7,738
50,000 " 100,000...	2,802	99,529,725	35,521	2,803	99,558,383	35,519
100,000 " 200,000...	2,209	156,308,744	70,760	2,215	156,410,769	70,614
200,000 " 500,000...	1,688	237,532,492	140,718	1,584	225,582,130	142,413
500,000 " 1,000,000...	1,519	504,218,217	331,941	1,285	390,826,844	303,990
1,000,000 " 5,000,000...	636	443,597,677	697,481	689	466,441,130	676,983
5,000,000 and over.....	601	1,217,866,089	2,026,400	520	1,091,293,939	2,098,642
	118	1,298,198,865	11,001,685	81	923,724,311	11,404,004
Totals and Averages.....	23,597	4,063,987,279	172,225	21,800	3,474,540,560	140,102
				1944		1947
Under \$25,000.....	13,942	128,782,147	9,237	14,622	141,554,451	9,681
\$ 25,000 but under \$ 50,000...	4,011	143,023,914	35,658	4,707	168,399,811	35,776
50,000 " 100,000...	3,442	245,273,500	71,259	4,319	308,444,347	71,416
100,000 " 200,000...	2,513	355,235,489	141,359	3,234	458,350,494	141,729
200,000 " 500,000...	2,256	714,546,348	316,731	2,841	891,861,644	313,925
500,000 " 1,000,000...	943	661,670,696	701,666	1,295	894,954,711	691,085
1,000,000 " 5,000,000...	1,089	2,294,546,053	2,107,021	1,370	2,808,548,244	2,050,035
5,000,000 and over.....	287	4,530,614,372	15,786,113	346	4,408,912,878	12,742,523
Totals and Averages.....	28,483	9,973,692,519	318,565	32,734	10,081,026,580	304,913

¹ Includes central electric stations and dyeing, cleaning and laundry establishments.

² Exclusive of Yukon and the Northwest Territories.

Size as Measured by Number of Employees.—In 1923, establishments employing 501 hands or over accounted for 21·4 p.c. of the total number of employees engaged in manufacturing. By 1929 the proportion had increased to 27·3 p.c. of the total, thereby showing the increasing concentration of production into larger units. This tendency, however, was checked by the depression, the percentage having dropped in 1933 to 20·5 p.c. (central electric stations included). With the recovery in production since 1933 the percentage has risen again, and in 1939 stood at 25·6. The same also holds true for establishments employing 101 hands or over. In 1923 they employed 58·6 p.c. of the total, in 1929, 61·9 p.c., in 1933, 55·7 p.c., and in 1939, 61·5 p.c.

The impact of the War on the concentration of war industries into large units is illustrated by the increase in the number of establishments employing 500 hands or over. In 1939 such establishments numbered 172 and employed 25·6 p.c. of the total number of employees engaged in manufacturing. By 1944 the number had increased to 383 and the percentage of total employees to 47·0. In a further subdivision of this group in 1944 it was found that 226 establishments employed between 500 and 999 persons, 56 between 1,000 and 1,499, and 101 employed over 1,500. All told there were twelve plants employing over 7,000 persons. The largest one had an employment of a little over 13,000 with the next three largest employing between 9,000 and 10,000. Three other plants employed between 8,000 and 9,000 persons while the lowest five plants in this group employed between 7,000 and 8,000 workers.

In 1947 the size of establishment declined. The largest ones, viz. those employing 1,500 and over, numbered only 58 as compared with 100 in 1944 and 80 in 1945. The largest manufacturing plant in Canada which employed over 13,000 persons in 1944 employed about 12,000 in 1947. The next two largest establishments employed over 6,000 persons whilst the next four had over 5,000 persons. The following is the size distribution of the highest group.

Over 6,000 employees.....	3 establishments
5,000 to 6,000.....	4 establishments
4,000 to 5,000.....	5 establishments
3,000 to 4,000.....	4 establishments
1,500 to 3,000.....	42 establishments
Total.....	58 establishments

38.—Manufacturing Establishments, Classified by Numbers of Employees and by Provinces, 1947

Province or Territory	Up to 500	500 to 799	800 to 999	1,000 to 1,499	1,500 or over	Total
Prince Edward Island.....	260	—	—	—	—	260
Nova Scotia.....	1,469	7	—	3	1	1,480
New Brunswick.....	1,053	5	1	1	1	1,061
Quebec.....	11,114	43	22	23	21	11,223
Ontario.....	11,683	97	16	33	31	11,860
Manitoba.....	1,407	—	1	3	2	1,413
Saskatchewan.....	1,001	—	—	—	—	1,001
Alberta.....	1,378	2	2	—	—	1,382
British Columbia.....	3,018	15	1	4	2	3,040
Yukon and Northwest Territories.....	14	—	—	—	—	14
Canada	32,397	169	43	67	58	32,734

39.—Establishments and Employees in Manufactures Classified by Number of Employees per Establishment, 1929, 1939, 1944 and 1947

Group	1929 ¹			1939 ²		
	Estab- lishments	Employees	Average per Estab- lishment	Estab- lishments	Employees	Average per Estab- lishment
	No.	No.	No.	No.	No.	No.
Under 5 employees.....	12,273	30,446	2·5	13,002	28,020	2·2
5 to 20 employees.....	6,160	62,310	10·1	6,985	68,151	9·8
21 " 50 "	2,531	81,846	32·3	2,330	75,324	32·3
51 " 100 "	1,262	90,238	71·5	1,158	81,646	70·5
101 " 200 "	745	103,944	139·5	695	97,063	139·7
201 " 500 "	444	136,397	307·2	458	139,687	305·0
501 and over.....	182	189,253	1,040·0	172	168,168	977·7
Totals and Averages ...	23,597	694,431	29·4	24,800	658,059	26·5
	1944			1947		
	No.	No.	No.	No.	No.	No.
Under 5 employees.....	13,208	29,958	2·3	14,438	34,310	2·4
5 to 14 employees.....	7,111	58,404	8·2	8,778	73,010	8·3
15 " 49 "	4,615	124,408	27·0	5,655	151,603	26·8
50 " 99 "	1,622	113,869	70·2	1,785	125,691	70·4
100 " 199 "	900	126,192	140·2	1,064	149,491	140·5
200 " 499 "	644	196,707	305·4	677	208,150	307·5
500 and over.....	383	573,344	1,497·0	337	389,495	1,155·8
Totals and Averages ...	28,483	1,222,882	42·9	32,734	1,131,750	34·5

¹ Includes central electric stations, dyeing, cleaning and laundry establishments.
² Exclusive of Yukon and the Northwest Territories.

Size of Establishment in Leading Industries.--Table 40 summarizes the degrees of concentration in some of the leading industries of Canada. Concentration is extremely marked in the case of automobiles, railway rolling-stock, non-ferrous metal smelting and refining, rubber goods, cotton yarn and cloth, pulp and paper, and primary iron and steel; whereas in the case of bread and other bakery products, sawmills, miscellaneous foods, fish canning and packing, butter and cheese, and women's factory clothing, the degree of concentration is low. This concentration is analysed in detail for each of the twenty-five leading industries in the tables following.

40.—Percentage Importance of Establishments, each Employing 200 or more Persons in the Twenty-Five Leading Industries, 1947

Industry	Number of Such Establishments	Percentage of Total Number in the Industry	Percentage of Total Production in the Industry
1 Pulp and paper.....	65	56·5	92·8
2 Slaughtering and meatpacking.....	29	19·2	70·3
3 Non-ferrous smelting and refining.....	12	75·0	97·5
4 Sawmill.....	27	0·4	29·2
5 Electrical apparatus and supplies.....	46	15·5	79·8
6 Automobiles.....	7	77·8	98·8
7 Flour and feed mills.....	9	0·9	54·8
8 Butter and cheese.....	13	0·6	14·5
9 Petroleum products.....	1	23·9	78·3
10 Primary iron and steel.....	27	46·6	91·1
11 Machinery.....	32	9·9	53·2
12 Rubber goods.....	20	33·3	95·0
13 Clothing, women's factory.....	8	0·7	6·4
14 Clothing, men's factory.....	31	5·5	33·4
15 Bread and other bakery products.....	20	0·7	26·6
16 Railway rolling-stock.....	23	62·2	95·6
17 Cotton yarn and cloth.....	28	62·2	96·6
18 Fruit and vegetables preparations.....	9	1·8	33·8
19 Automobile supplies.....	21	16·4	76·2
20 Sheet metal products.....	22	8·7	64·2
21 Hosiery and knitted goods.....	39	14·9	60·5
22 Miscellaneous foods	5	1·7	24·0
23 Furniture.....	13	1·2	17·7
24 Printing and publishing.....	23	3·0	61·3
25 Feeds, stock and poultry.....			

41.—Principal Statistics of the Twenty-Five Leading Industries Classified by Number of Employees per Establishment, 1947

NOTE. For principal statistics in the manufacturing industries in each province by size of establishments, see Table 3 of Part II, p. 87.

Industry and Group	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
1. Pulp and Paper—	No.	No.	\$	\$	\$	\$
Under 5 employees.....	1	474	998,799	229,130	2,407,579	5,787,493
5 to 14 "	1	474	998,799	229,130	2,407,579	5,787,493
15 " 49 "	14	1,287	2,736,849	1,135,910	7,932,093	14,694,793
50 " 99 "	17	2,700	6,041,087	1,917,629	14,663,157	30,081,785
100 " 199 "	17	8,788	21,646,775	9,493,944	47,991,171	116,737,654
200 " 499 "	24	36,697	98,053,885	42,665,783	222,450,332	539,669,903
500 and over.....	41	11,814	26,081,725	1,501,217	162,261,086	236,033,616
Totals.....	115	49,946	129,477,995	55,442,396	295,411,332	706,971,628
2. Slaughtering and Meatpacking—						
Under 5 employees.....	21	53	77,219	14,984	1,480,941	1,764,887
5 to 14 "	31	264	473,630	49,443	8,904,883	10,030,455
15 " 49 "	42	1,129	2,066,997	211,021	25,610,619	29,592,310
50 " 99 "	12	787	1,754,494	147,289	31,030,142	34,483,624
100 " 199 "	16	2,310	4,402,709	410,809	59,306,313	68,699,984
200 " 499 "	17	5,369	10,852,371	743,523	88,100,223	106,311,678
500 and over	1	1,814	26,081,725	1,501,217	162,261,086	236,033,616
Totals.....	151	21,726	44,611,145	3,168,286	406,694,207	486,916,554

41.—Principal Statistics of the Twenty-Five Leading Industries Classified by Number of Employees per Establishment, 1947—continued

Industry and Group	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
3. Non-ferrous Metal Smelting and Refining—						
Under 5 employees.....	1	355	785,053	303,102	7,707,836	11,200,145
15 to 49	1	355	785,053	303,102	7,707,836	11,200,145
100 " 199	2					
200 " 499	5	1,942	4,410,524	3,361,971	90,869,521	105,029,332
500 and over.....	7	15,152	35,572,294	25,302,286	209,690,574	336,804,465
Totals.....	16	17,449	40,767,871	28,967,359	308,267,931	453,033,942
4. Sawmills—						
Under 5 employees.....	4,381	10,834	6,640,188	656,244	22,512,165	39,163,030
5 to 14	1,471	11,615	14,309,061	917,016	39,142,525	70,782,338
15 " 49	482	11,900	18,668,985	673,680	45,904,753	82,757,055
50 " 99	90	6,077	11,702,973	357,896	25,902,912	51,475,024
100 " 199	30	4,229	8,322,582	166,958	21,808,585	40,389,939
200 " 499	19	5,262	11,812,221	61,920	31,613,856	63,956,825
500 and over.....	8	5,508	11,903,542	240,787	21,659,023	53,609,087
Totals.....	6,481	55,425	83,350,152	3,074,501	208,543,819	402,133,298
5. Electrical Apparatus and Supplies—						
Under 5 employees.....	48	123	181,905	13,142	369,112	736,915
5 to 14	47	403	718,158	25,708	1,442,115	2,777,674
15 " 49	84	2,440	4,244,929	153,558	9,513,614	19,488,360
50 " 99	34	2,278	4,028,888	145,065	7,466,223	16,171,214
100 " 199	37	5,126	8,918,463	300,574	15,074,963	34,677,944
200 " 499	26	7,693	14,756,187	457,463	32,657,473	65,587,558
500 and over.....	20	34,673	71,042,486	2,420,387	95,607,766	227,066,538
Totals.....	296	52,736	103,891,016	3,513,897	162,131,266	366,506,203
6. Automobiles—						
100 to 199 employees.....	2					
200 " 499	2	23,837	58,407,977	2,332,456	226,845,132	340,918,195
500 and over.....	5					
Totals.....	9	23,837	58,407,977	2,332,456	226,845,132	340,918,195
7. Flour and Feed Mills—						
Under 5 employees.....	740	1,416	1,413,993	420,469	37,227,643	42,331,500
5 to 14	159	1,252	1,844,032	431,744	31,269,186	37,930,990
15 " 49	4	102	159,219	23,876	1,735,702	2,059,984
50 " 99	41	1,310	2,645,628	372,109	55,987,128	64,155,256
100 " 199	8	1,131	2,435,301	404,086	43,327,104	51,346,218
200 " 499	7	3,074	6,333,886	805,325	111,127,713	126,328,509
500 and over.....	2					
Totals.....	961	8,285	14,832,059	2,457,609	280,674,476	324,152,457
8. Butter and Cheese—						
Under 5 employees.....	1,354	3,254	2,883,368	877,465	59,584,607	66,138,720
5 to 14	443	3,486	4,492,591	1,113,320	65,442,326	77,563,035
15 " 49	169	4,123	6,083,076	1,221,777	48,498,060	63,264,241
50 " 99	40	2,659	4,547,496	561,361	22,403,598	33,215,376
100 " 199	18	2,450	4,478,176	460,258	16,033,057	24,605,420
200 " 499	10	3,003	5,989,292	557,338	17,096,888	28,735,630
500 and over.....	3	1,782	3,931,746	243,630	9,009,053	16,205,327
Totals.....	2,037	20,757	32,405,745	5,035,149	238,667,589	309,727,758
9. Petroleum Products—						
Under 5 employees.....	9	20	33,030	3,097	107,756	224,421
5 to 14	8	64	130,723	22,005	923,981	1,209,151
15 " 49	6	155	259,475	108,311	4,194,041	5,529,144
50 " 99	6	443	919,701	362,583	11,572,639	14,878,690
100 " 199	6	839	1,793,428	1,207,199	34,809,761	40,787,577
200 " 499	8	2,621	6,043,877	4,657,034	83,103,550	112,509,484
500 and over.....	3	3,618	8,697,586	6,298,334	82,804,343	113,361,819
Totals.....	46	7,760	17,877,820	12,658,563	217,516,071	288,500,286

41.—Principal Statistics of the Twenty-Five Leading Industries Classified by Number of Employees per Establishment, 1947—continued

Industry and Group	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
10. Primary Iron and Steel—						
Under 200 employees...						
200 and over.....	26	24,473	55,282,624	18,138,007	95,373,268	197,084,542
Totals.....	58	26,933	60,285,368	18,863,396	104,532,334	216,275,618
11. Machinery—						
Under 5 employees.....	29	74	125,928	8,804	149,697	350,672
5 to 14 ".....	69	659	1,241,908	51,333	1,153,862	3,444,521
15 " 49 ".....	94	2,672	5,352,023	190,887	7,220,421	18,294,183
50 " 99 ".....	56	4,022	8,438,660	271,618	12,640,667	31,189,041
100 " 199 ".....	42	5,993	12,569,825	397,943	16,369,086	40,687,826
200 " 499 ".....	22	6,824	13,729,244	505,328	10,427,785	38,202,687
500 and over.....	10	9,076	20,512,104	790,469	26,140,239	68,725,824
Totals.....	322	29,920	61,969,692	2,216,382	74,101,757	200,894,754
12. Rubber Goods—						
Under 5 employees.....	8	17	18,016	1,063	6,524	32,940
5 to 14 ".....	12	94	157,126	13,634	249,744	528,542
15 " 49 ".....	5	206	304,569	18,023	672,096	1,500,852
50 " 99 ".....	6	448	777,910	115,347	1,358,956	2,925,902
100 " 199 ".....	6	896	1,473,133	102,641	2,197,058	4,799,372
200 " 499 ".....	6	2,038	3,755,002	275,877	5,150,070	13,096,079
500 and over.....	14	19,776	40,125,107	2,173,517	73,300,177	173,424,047
Totals.....	60	23,475	46,613,893	2,700,102	82,934,625	196,307,734
13. Clothing, Women's Factory—						
Under 5 employees.....	145	370	538,976	8,181	2,037,630	4,363,285
5 to 14 ".....	382	3,715	5,999,923	64,847	10,605,430	21,792,842
15 " 49 ".....	502	13,456	22,747,076	191,926	40,127,833	79,788,681
50 " 99 ".....	102	6,515	11,116,788	88,542	20,979,591	41,486,004
100 " 199 ".....	30	4,231	6,392,529	54,475	12,907,591	25,068,693
200 " 499 ".....	8	2,382	3,561,831	25,672	6,055,499	11,805,925
Total.....	1,169	30,969	50,357,121	433,643	92,713,574	184,305,130
14. Clothing, Men's Factory—						
Under 5 employees.....	132	311	574,832	5,878	4,216,880	7,803,746
5 to 14 ".....	109	950	1,684,072	16,379	7,805,507	14,691,281
15 " 49 ".....	172	5,065	7,349,026	91,331	17,829,897	32,703,085
50 " 99 ".....	82	6,026	8,914,305	111,408	17,917,979	34,007,082
100 " 199 ".....	40	5,550	8,218,070	88,717	17,937,916	32,789,309
200 " 499 ".....	28	8,525	12,835,005	138,850	23,655,200	44,017,784
500 and over.....	5	3,390	5,911,474	55,506	8,716,264	17,153,746
Totals.....	566	29,817	45,486,784	508,069	98,082,593	183,166,033
15. Bread and Other Bakery Products—						
Under 5 employees.....	1,715	4,057	4,380,175	940,299	8,393,931	16,602,036
5 to 14 ".....	899	6,914	8,707,560	1,097,567	14,873,418	28,882,439
15 " 49 ".....	238	5,962	9,088,858	988,788	15,370,823	31,057,217
50 " 99 ".....	39	2,737	4,567,899	478,142	8,879,148	17,620,255
100 " 199 ".....	5	4,176	7,151,274	611,075	13,111,992	27,493,376
200 " 499 ".....	16	4,765	5,337,177	683,226	13,139,322	29,229,375
500 and over.....	4	2,627	4,899,322	388,887	6,012,889	14,864,190
Totals.....	2,942	31,501	47,896,265	5,188,604	80,084,523	165,749,588
16. Railway Rolling-Stock—						
Under 5 employees.....	2	14	28,258	2,548	451,263	525,878
5 to 14 ".....	1	1	499,752	25,278	1,156,357	1,991,177
15 " 49 ".....	4	258	4,567,899	478,142	8,879,148	17,620,255
50 " 99 ".....	2	813	1,655,802	177,506	1,934,698	4,516,749
100 " 199 ".....	5	2,619	3,311,930	257,891	4,390,098	10,896,969
200 " 499 ".....	7	24,822	54,058,493	3,354,425	65,143,992	141,352,376
500 and over.....	16					
Totals.....	37	28,526	61,754,235	3,817,648	73,076,408	159,283,149

41.—Principal Statistics of the Twenty-Five Leading Industries Classified by Number of Employees per Establishment, 1947—continued

Industry and Group	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
17. Cotton Yarn and Cloth—						
5 to 14 employees.....	8	68	74,405	6,065	180,894	305,049
15 " 49 "	3	300	351,647	30,499	1,006,042	1,640,471
50 " 99 "	2					
100 " 199 "	4	518	806,380	63,790	2,187,205	3,495,914
200 " 499 "	12	3,627	5,325,468	327,570	13,482,701	23,041,563
500 and over.....	16	19,576	28,886,513	2,784,359	82,742,317	129,789,434
Totals.....	45	24,089	35,444,413	3,212,283	99,599,159	158,272,431
18. Fruit and Vegetable Preparations—						
Under 5 employees.....	127	354	266,746	30,056	1,097,991	1,658,925
5 to 14 "	152	1,282	1,270,908	128,330	5,379,841	8,363,392
15 " 49 "	137	3,756	4,485,311	446,739	16,987,418	28,194,137
50 " 99 "	53	4,012	5,677,792	496,308	21,740,454	35,255,488
100 " 199 "	24	3,628	4,458,079	422,228	15,979,885	27,598,116
200 " 499 "	7	4,004	6,040,630	506,985	28,146,961	51,642,843
500 and over.....	2					
Totals.....	502	17,036	22,199,466	2,030,646	89,332,550	152,712,901
19. Automobile Supplies—						
Under 5 employees.....	17	46	69,836	4,223	70,907	220,161
5 to 14 "	25	239	448,791	20,251	1,099,074	2,090,329
15 " 49 "	37	992	1,850,196	81,162	2,891,834	6,139,464
50 " 99 "	9	598	1,070,562	40,363	1,194,178	3,134,549
100 " 199 "	19	2,504	5,057,722	249,866	10,090,707	19,677,267
200 " 499 "	12	3,541	7,511,493	387,221	11,905,994	28,926,614
500 and over.....	9	9,567	20,551,264	1,291,939	38,178,246	71,346,555
Totals.....	128	17,487	36,559,864	2,075,025	65,430,440	131,534,939
20. Sheet Metal Products—						
Under 5 employees.....	53	145	203,000	13,604	220,232	568,405
5 to 14 "	64	580	939,660	41,171	1,209,099	2,946,854
15 " 49 "	72	2,007	3,463,384	165,555	6,311,209	12,880,007
50 " 99 "	20	1,411	2,601,286	109,593	4,859,380	10,734,642
100 " 199 "	22	3,055	5,546,116	306,053	8,728,791	19,274,262
200 " 499 "	16	5,351	10,704,066	505,043	28,075,007	49,918,584
500 and over.....	6	5,088	9,804,307	507,672	19,187,887	33,172,196
Totals.....	253	17,637	33,261,819	1,648,691	68,591,605	129,494,950
21. Hosiery and Knitted Goods—						
Under 5 employees.....	27	61	89,999	1,885	249,223	657,136
5 to 14 "	43	412	562,630	16,469	1,587,113	2,762,155
15 " 49 "	86	2,510	3,291,738	117,858	7,563,265	14,349,934
50 " 99 "	40	2,773	3,490,954	141,782	7,609,288	14,441,288
100 " 199 "	27	3,724	4,430,100	154,310	8,576,619	18,282,774
200 " 499 "	30	9,537	12,865,213	550,478	19,732,651	45,007,617
500 and over.....	9	7,494	10,916,029	446,234	14,239,268	32,336,666
Totals.....	262	26,511	35,646,663	1,429,016	59,557,427	127,837,570
22. Miscellaneous Foods—						
Under 5 employees.....	102	254	339,695	20,685	1,434,947	2,157,572
5 to 14 "	99	838	1,301,406	70,122	6,090,707	8,863,271
15 " 49 "	71	1,921	3,084,435	184,755	25,469,813	34,277,357
50 " 99 "	12	848	1,289,684	78,459	9,860,205	13,647,606
100 " 199 "	14	1,904	3,316,835	169,172	28,835,070	37,898,218
200 " 499 "	5	1,240	1,821,282	172,455	22,721,312	30,595,916
Totals.....	303	7,005	11,153,337	695,648	94,412,054	127,439,940

41.—Principal Statistics of the Twenty-Five Leading Industries Classified by Number of Employees per Establishment, 1947—concluded

Industry and Group	Estab-	Em-	Salaries	Cost of	Cost	Gross
	lish- ments	ployees	and Wages	Fuel and Electricity	of Materials	Value of Products
	No.	No.	\$	\$	\$	\$
23. Furniture—						
Under 5 employees.....	424	995	1,156,224	64,889	1,374,325	3,121,655
5 to 14 "	279	2,334	3,576,399	122,318	5,257,351	10,733,814
15 " 49 "	213	5,888	9,439,913	319,609	13,672,680	28,547,531
50 " 99 "	69	4,884	8,359,240	309,917	11,635,921	25,143,849
100 " 199 "	48	6,427	11,091,072	412,160	17,126,437	36,298,955
200 " 499 "	11	4,253	7,654,817	202,506	10,180,472	22,353,069
500 and over.....	2					
Totals.....	1,046	24,781	41,277,665	1,431,379	59,277,186	126,198,873
24. Printing and Publishing—						
Under 5 employees.....	341	866	1,061,715	93,852	379,255	2,065,712
5 to 14 "	235	1,862	2,831,523	131,231	984,076	5,446,702
15 " 49 "	105	2,705	4,550,845	144,816	1,956,967	9,828,228
50 " 99 "	44	3,111	5,946,980	155,651	3,155,884	15,153,612
100 " 199 "	23	3,121	6,504,347	189,944	3,022,129	16,086,600
200 " 499 "	13	3,872	7,620,708	198,923	6,483,240	23,817,506
500 and over.....	10	7,568	18,474,591	313,391	18,131,851	53,173,279
Totals.....	771	23,105	46,990,709	1,177,808	34,113,405	125,571,639
25. Feeds, Stock and Poultry—						
Under 5 employees.....	83	224	319,935	49,295	3,446,665	4,074,384
5 to 14 "	127	1,089	1,876,429	229,673	22,162,775	26,579,299
15 " 49 "	56	1,514	2,684,502	312,407	34,662,516	42,211,451
50 " 99 "	15	1,021	2,001,085	257,445	27,752,705	33,140,414
100 " 199 "	4	588	1,019,251	84,425	12,359,381	14,547,492
Totals.....	285	4,436	7,901,202	933,245	100,384,042	120,553,040

Subsection 5.—Power and Fuel

Power.—Power equipment installed in manufacturing establishments is a very good barometer of the industrial development of Canada, inasmuch as production is increasingly dependent on power equipment. Increases and decreases in productive capacity, measured in horse-power, are not the result of temporary fluctuations in costs and values in the same manner as capital investments, values of products, etc. Of course, power equipment installed is not a measure of the actual utilization of power for there is generally an excess over actual requirements, i.e., over power equipment in operation. Producers must have an installed operating margin in excess of normal requirements to provide for booming business conditions or breakdown of part of the plant; in times of depression this margin increases. During short periods of expanded production, the number of horse-power per wage-earner tends to decrease in view of the fact power equipment is not immediately increased, the expanded production being secured through overtime work or an increase in the number of shifts worked. Then too, the practice in factories, etc., of installing individual motors to each machine in place of large central motors increases total installed capacity. If spare or idle machinery could be deducted from total installation over a long period of time, the resultant data would be more informative. Reports of such spare or idle equipment are available, however, only since 1934, and the percentage of equipment not in regular use has been approximately the same each year, viz., about 6 or 7 p.c. Power equipment figures, unless such deductions can be made over a long term, will not reflect temporary depressions.

Electric motors in the manufacturing industries operated by purchased power are included with primary power equipment and consequently the central electric stations producing the power are not included as manufacturing industries. Electric motors operated by power generated within these industries are not included in Table 42 with the primary power equipment that produces the power to operate them but they are shown separately, together with the total of all electric motors for each year. These totals indicate the rate of growth of electric drive in these industries in Canada, which has increased from 61·3 p.c. of the total power equipment in 1923 to 80·0 p.c. in 1947.

Of the total increase in power equipment employed in manufacturing industries since 1939, 73·7 p.c. was in electric motors operated by power purchased from central electric stations. However, some sections of Canada are not well provided with water power and in such sections primary power derived from steam engines or turbines, and internal combustion engines—which include all gasoline engines, gas engines (natural, coal, and producer gas), and compression-ignition engines—has also increased rapidly during the period covered. During the period 1939-47 there was an increase of 9 p.c. in the capacity of water wheels, 27 p.c. in the capacity of steam engines, 45 p.c. in the capacity of electric motors, while internal combustion engines almost quadrupled during the same period.

In the Provinces of Prince Edward Island, Nova Scotia, New Brunswick, Saskatchewan, and Alberta, primary power produced from fuels is an important factor in power utilization.

Fuel and Electricity.—Fuel is used quite generally throughout the industrial field for the generation of power by means of steam and internal combustion engines. It is also used for the heating of plants, and for providing the heat necessary to some manufacturing processes. The most important industries where heat is applied to the materials to facilitate or accomplish the desired transformation are foundries and machine shops, brick, tile, lime, and cement-making, petroleum refining, the glass industry, distilleries, food preparation, rubber goods, etc. Fuel used for such heating purposes, as well as for power, is included in the figures of Table 43. In addition to the electricity used for ordinary power purposes, the figures include also the electricity used for heating boilers in the pulp and paper industry. Consumption of surplus energy in electric boilers increased rapidly during the years preceding the Second World War.

The figures of the table do not include coke charged to iron-blast furnaces or foundry cupolas. Neither do they include fuels that constitute the raw materials to be transformed as coal in the coke and gas industries and crude petroleum in the refining industry.

The value of fuel consumed increased 187 p.c. from 1939 to 1947. Part of the increase was due to an increase in the quantity used and part to the rise in the unit cost of fuels of all kinds. Electricity, on the other hand, has increased during the same period by 80 p.c. The groups of industries in which fuel was most extensively used in 1947 were: iron and its products, wood and paper products, non-ferrous metals and non-metallic mineral products.

Quebec is the largest user of electric power, having used 49·5 p.c. of the Dominion total in 1947.

42.—Power Equipment Installed in Manufacturing Industries, 1931-16 with Details by Provinces and Industrial Groups, 1947

Year and Province or Group	Steam Engines and Turbines	Internal Combustion Engines	Hydraulic Turbines and Water Wheels	Total	Electric Motors Operated by Purchased Power	Total Power Equipment	Electric Motors Operated by Power Generated by Establishments Reporting	Total Electric Motors
	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.
Totals, 1931.....	780,487	73,376	667,546	1,521,409	2,578,523	4,099,932	539,430	3,117,953
Totals, 1932.....	735,980	68,551	653,391	1,457,723	2,681,923	4,112,658	510,837	3,195,760
Totals, 1933.....	738,297	76,583	657,683	1,472,563	2,662,445	4,135,008	497,392	3,159,837
Totals, 1934.....	774,494	87,120	597,675	1,459,289	2,770,383	4,229,672	544,714	3,315,097
Totals, 1935.....	774,166	88,265	603,717	1,466,148	2,865,340	4,331,488	512,177	3,377,517
Totals, 1936.....	743,184	92,480	648,489	1,484,153	2,977,714	4,461,867	528,501	3,506,215
Totals, 1937.....	834,703	98,233	649,557	1,582,493	3,129,790	4,712,283	602,955	3,732,745
Totals, 1938.....	839,897	111,645	723,551	1,591,842	3,303,803	4,969,723	659,711	3,963,545
Totals, 1939.....	827,801	121,997	731,390	1,681,188	3,364,099	5,045,287	691,450	4,058,549
Totals, 1940.....	848,596	152,210	727,051	1,727,887	3,563,048	5,290,935	724,769	4,287,817
Totals, 1941.....	917,474	179,461	724,199	1,821,134	4,028,942	5,850,076	740,112	4,769,051
Totals, 1942.....	927,509	221,358	741,751	1,893,618	4,168,402	6,062,020	800,917	4,969,319
Totals, 1943.....	988,280	257,873	749,593	1,995,746	4,420,105	6,415,851	760,630	5,180,735
Totals, 1944.....	1,013,615	288,312	729,216	2,031,143	4,437,296	6,468,439	779,717	5,217,013
Totals, 1945.....	1,015,294	295,123	709,598	2,020,015	4,586,636	6,606,651	787,930	5,374,566
Totals, 1946.....	1,032,639	368,458	732,859	2,133,956	4,619,993	6,783,919	820,371	5,470,364
PROVINCE								
Prince Edward Island.....	1,166	2,716	1,552	5,434	1,672	7,106	—	1,673
Nova Scotia.....	72,294	27,964	14,984	115,242	146,928	262,170	14,594	161,522
New Brunswick.....	86,579	22,141	23,886	132,606	153,703	286,309	58,038	211,741
Quebec.....	200,254	78,602	274,735	553,591	2,013,303	2,566,894	172,748	2,186,051
Ontario.....	459,122	123,845	269,234	852,201	2,161,614	3,013,815	377,916	2,539,530
Manitoba.....	18,214	12,436	—	37,744	17,218	202,911	5,262	177,449
Saskatchewan.....	12,765	19,945	—	32,710	37,763	70,473	227	37,999
Alberta.....	26,157	39,138	—	65,295	100,874	166,169	6,215	107,089
British Columbia.....	171,168	126,157	213,880	511,205	311,498	822,703	169,003	480,561
Yukon and Northwest Territories.....	119	476	—	505	24	619	—	24
Totals, 1947....	1,047,838	153,394	798,161	2,299,603	5,899,566	7,399,169	801,061	5,903,630
INDUSTRIAL GROUP								
Vegetable products.....	66,365	32,814	24,017	123,196	408,606	531,802	41,182	449,788
Animal products.....	23,720	14,038	3,655	40,808	185,577	226,285	3,809	189,386
Textiles and textile products.....	26,077	3,684	25,609	55,370	263,976	319,346	30,048	294,024
Wood and paper products.....	574,160	307,577	623,993	1,505,730	2,020,649	3,526,379	606,795	2,627,444
Iron and its products.....	181,675	47,419	1,959	231,053	1,112,512	1,343,565	64,468	1,176,980
Non-ferrous metal products.....	32,597	7,969	4,400	44,966	555,489	600,455	11,535	567,024
Non metallic mineral products.....	60,046	22,141	883	83,070	270,999	354,069	10,588	281,587
Chemicals and allied products..	80,458	17,340	114,550	212,348	244,900	457,248	33,270	278,170
Miscellaneous industries.....	2,740	322	—	3,062	36,858	39,920	2,369	39,227

¹Includes "steam engines" 514,967 h.p. and "steam turbines" 532,871 h.p.

43.—Fuel and Electricity Used in Manufacturing Industries

Year and Province or Group	Bituminous Coal				Anthracite	
	Canadian		Imported			
	short tons	\$	short tons	\$	short tons	\$
Totals, 1932.....	1,578,341	8,433,592	2,255,296	12,004,969	136,947	1,002,634
Totals, 1933.....	1,499,715	7,571,912	2,026,113	10,770,107	145,017	1,033,154
Totals, 1934.....	1,812,712	9,220,235	2,123,376	12,151,844	166,242	1,166,745
Totals, 1935.....	1,889,364	9,681,361	2,135,592	12,427,515	173,188	1,194,905
Totals, 1936.....	2,122,583	10,886,270	2,383,166	13,683,753	176,869	1,274,078
Totals, 1937.....	2,907,671	15,648,167	2,828,519	16,255,262	173,993	1,253,376
Totals, 1938.....	2,484,071	13,553,411	2,455,613	14,266,262	152,194	1,107,168
Totals, 1939.....	2,893,613	15,744,444	2,262,378	13,386,196	167,465	1,151,278
Totals, 1940.....	3,306,682	19,381,414	3,204,513	19,707,934	171,271	1,347,910
Totals, 1941.....	3,121,155	19,940,895	4,689,123	31,835,408	180,189	1,540,230
Totals, 1942.....	3,469,131	24,312,873	5,301,273	38,940,599	236,494	2,126,707
Totals, 1943.....	2,971,872	21,853,184	6,510,494	50,089,082	265,537	2,372,290
Totals, 1944.....	2,538,345	19,785,479	7,336,983	55,667,410	228,795	2,231,277
Totals, 1945.....	2,262,325	17,339,081	6,221,434	51,584,560	214,975	2,094,925
Totals, 1946.....	2,278,560	18,058,067	5,794,992	48,211,575	179,139	1,812,744
PROVINCE						
Prince Edward Island.....	7,955	88,835	494	6,219	59	894
Nova Scotia.....	365,743	2,787,992	35,659	461,347	1,090	18,114
New Brunswick.....	451,743	4,309,873	81,660	995,538	4,051	44,031
Quebec.....	557,664	5,887,732	2,009,835	19,314,476	78,287	790,304
Ontario.....	228,662	2,114,858	4,788,673	41,237,882	73,152	822,624
Manitoba.....	162,957	1,429,532	9,775	108,471	13,988	189,654
Saskatchewan.....	97,994	818,876	131	1,677	443	4,107
Alberta.....	102,208	593,258	128	783	13	205
British Columbia.....	315,731	2,324,281	278	4,621	7,693	70,486
Yukon and North West Territories.....	200	3,800	—	—	—	—
Totals, 1947.....	2,320,857	29,359,037	6,926,633	62,131,014	178,776	1,940,419
INDUSTRIAL GROUP						
Vegetable products.....	189,281	1,704,583	724,075	6,654,531	55,553	674,277
Animal products.....	207,652	1,928,551	291,452	2,789,942	12,906	139,187
Textiles and textile products.....	140,324	1,355,538	445,486	4,299,819	26,115	244,016
Wood and paper products.....	756,200	7,034,323	2,312,882	21,625,513	27,563	273,579
Iron and its products.....	394,409	3,061,150	778,157	6,860,753	27,084	288,977
Non-ferrous metal products.....	232,371	2,005,907	789,462	7,015,255	3,881	44,520
Non-metallic mineral products.....	303,760	2,519,555	808,702	7,131,488	8,928	92,905
Chemicals and allied products.....	90,416	675,425	749,575	5,449,398	13,614	142,556
Miscellaneous industries.....	6,444	74,005	31,842	304,317	3,132	40,402

¹ Includes gasoline and kerosene.
purposes.

² Includes fuel and electricity used in smelters for metallurgical

FUEL AND ELECTRICITY CONSUMPTION

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1932-46 with Details by Provinces and Industrial Groups, 1947

Lignite		Coke		Fuel Oils	Wood	Gas	Other Fuel ¹	Electricity	Total
short tons	\$	short tons	\$	\$	\$	\$	\$	\$	\$
156,097	497,154	322,829	1,592,015	1,681,042	1,183,066	1,692,700	974,884	31,764,666	70,129,722
158,437	522,626	288,811	1,574,426	1,606,527	1,635,689	1,827,310	981,591	33,092,334	66,615,676
193,820	601,520	319,110	1,670,877	5,182,216	1,450,553	5,734,229	1,549,086	38,150,061	76,877,366
215,341	684,396	373,925	1,921,138	5,981,169	1,419,130	5,707,589	1,773,010	10,489,615	81,279,888
233,138	740,099	344,797	1,883,025	6,381,311	1,421,076	6,583,603	1,962,450	13,781,481	88,597,146
265,440	759,600	657,991	5,169,521	8,580,369	1,636,098	7,101,919	2,867,421	50,032,810	109,607,846
223,536	692,428	585,167	4,493,824	8,103,128	1,614,911	7,381,901	2,803,022	17,900,172	101,916,560 ²
238,698	740,593	596,077	4,870,875	8,569,418	1,562,119	7,891,892	3,155,016	50,509,121	107,572,252 ²
319,499	965,229	689,878	5,797,070	12,366,737	1,751,791	10,172,976	7,062,552	58,429,262	136,980,175 ²
366,010	1,177,180	728,871	6,388,464	17,734,137	1,896,184	12,554,559	9,819,759	71,754,501	174,611,317 ²
359,534	1,166,125	724,264	7,002,130	21,345,936	2,213,637	13,180,067	11,221,569	85,205,846	206,718,489 ²
345,359	1,085,734	752,916	7,260,866	22,402,629	2,169,573	15,198,110	11,272,877	91,950,030	225,954,375 ²
421,351	1,522,417	803,179	7,909,168	21,822,975	2,340,460	16,890,106	9,711,478	87,699,383	225,583,153 ²
425,293	1,525,867	801,706	7,606,247	21,343,578	2,229,111	15,078,350	9,592,233	83,999,865	212,384,120 ²
394,689	1,442,277	691,152	6,884,833	23,872,464	2,189,271	13,968,365	10,740,024	83,273,105	210,452,725 ²
22	308	108	1,936	6,775	7,726	—	35,378	45,695	193,766
197	2,427	10,838	89,474	808,123	45,313	1,553,058	444,890	1,718,957	7,929,695
11	193	2,539	29,271	546,947	142,341	29,953	428,124	1,860,740	8,387,011
71	645	128,627	1,593,117	10,926,244	948,700	3,399,524	3,733,227	45,001,923	91,595,892
1,242	17,241	498,318	5,511,681	17,601,018	464,755	9,596,545	5,921,988	32,472,176	115,760,769
243,405	954,250	11,339	149,556	573,588	144,241	203,128	501,282	2,466,271	6,820,417
59,081	240,230	760	5,581	657,421	49,527	306,533	248,572	1,190,134	3,522,658
72,855	195,061	1,769	20,761	1% 377	14,766	1,046,321	44,721	1,884,392	4,439,668
5,774	41,987	104,282	1,057,410	5,458,329	155,379	357,166	2,209,831	4,231,767	15,911,257
—	—	—	93,789	7,957	—	—	18,879	4,121	128,546
382,661	1,452,312	758,580	8,459,230	36,971,607	1,980,732	16,192,228	14,026,894	90,576,176	234,689,679 ²
124,602	479,917	35,855	535,337	2,942,113	520,147	1,269,428	3,186,224	6,699,682	24,672,239
87,715	376,818	28,171	137,721	1,417,647	659,659	302,351	154,570	3,433,389	13,316,840
1,486	11,241	4,010	29,103	974,448	37,093	95,439	324,160	5,052,626	12,423,513
5,612	33,495	2,490	33,974	5,266,985	160,152	266,043	3,733,503	28,973,201	67,429,828
105,516	345,256	65,938	456,607	10,663,446	94,302	5,106,176	2,001,826	14,551,000	43,729,493
902	4,883	290,940	3,980,772	4,057,127	28,112	546,653	499,090	17,777,730	35,910,358
54,843	189,772	327,228	3,224,140	10,142,844	454,366	8,721,044	1,223,388	6,381,283	40,080,785
1,947	10,359	3,831	55,109	1,139,670	27,497	119,924	802,330	7,210,187	15,632,455
38	601	417	6,459	87,327	7,402	64,870	111,704	797,081	1,494,168

PART II.—PROVINCIAL AND LOCAL DISTRIBUTION OF MANUFACTURING PRODUCTION

This part of the Report is introduced by a general analysis of the concentration of the manufacturing industries in the provinces. In the sections that follow, the principal features of the manufactures of each province are brought out and finally the distribution of manufacturing throughout the principal cities and towns of the Dominion is shown.

Ontario and Quebec are by far the most important manufacturing provinces of Canada. Their combined production in 1947 amounted to \$7,920,521,948 or 79 p.c. of the total gross value of manufactured products. The proximity of Ontario to the coalfields of Pennsylvania, the water power and other varied resources of the provinces, and their nearness to the larger markets of Canada and the United States have all contributed to the above result.

Table 1 shows the outstanding predominance of Ontario and Quebec in each industrial group. Quebec leads in the manufacture of textiles, but in each of the other groups Ontario has the greater production. The standing of these two provinces is most nearly approached by British Columbia in the case of the wood and paper products group; the latter province accounts for 19 p.c. of the gross production of that group compared with 35 p.c. for Ontario and 34 p.c. for Quebec. In each of the other groups the positions of Ontario and Quebec lead by a wide margin.

1.—Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1947

Province and Group	Estab-	Em-	Salaries	Cost of	Net Value	Gross Value
	lish-	ployees	and Wages	Materials	of Products	of Products
	No.	No.	\$	\$	\$	\$
Canada						
Vegetable products.....	6,032	144,290	241,154,208	1,102,727,365	654,939,477	1,782,339,081
Animal products.....	4,457	102,106	166,221,365	929,179,962	316,673,669	1,259,170,471
Textiles and textile products.....	3,216	176,065	268,104,889	560,634,708	488,983,044	1,062,041,265
Wood and paper products	12,955	248,450	460,371,358	895,117,041	991,750,398	1,954,298,347
Iron and its products.....	2,469	263,482	559,968,501	871,965,295	939,220,774	1,854,915,562
Non-ferrous metal products.....	799	96,080	194,937,584	596,648,463	402,021,896	1,034,580,717
Non-metallic mineral products.....	943	39,212	79,146,075	323,687,397	199,351,736	563,119,918
Chemicals and allied products.....	1,031	38,491	77,479,719	205,541,145	228,786,192	449,959,792
Miscellaneous industries.....	802	23,574	38,542,267	48,778,643	70,328,616	120,601,427
Totals.....	32,734	1,131,750	2,085,925,966	5,534,280,019	4,292,055,802	10,081,026,580
 Prince Edward Island						
Vegetable products.....	36	225	243,738	1,014,868	424,171	1,480,780
Animal products.....	95	927	862,758	5,220,769	1,653,973	6,973,313
Wood and paper products	118	488	440,492	550,260	816,536	1,395,561
Iron and its products....	6	157	230,601	281,974	282,403	579,201
All other groups!.....	5	109	160,878	1,542,461	672,270	2,224,596
Totals.....	260	1,906	1,938,467	8,610,332	3,849,353	12,653,451

¹ Includes textiles, non-metallic minerals, and chemicals.

1.—Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1947—Continued

Province and Group	Estab-	Em-	Salaries	Cost of	Net Value	Gross Value
	lishments	ployees	and Wages	Materials	of Products	of Products
	No.	No.	\$	\$	\$	\$
Nova Scotia						
Vegetable products.....	175	3,206	4,282,202	12,561,226	9,390,757	22,511,228
Animal products.....	237	4,281	5,238,516	24,903,811	11,103,514	36,572,915
Textiles and textile products.....	26	2,738	3,271,726	7,474,866	6,311,394	14,032,931
Wood and paper products	925	8,202	10,901,068	22,092,746	22,633,109	46,324,719
Iron and its products....	72	9,992	18,507,894	22,174,914	26,840,738	51,509,736
Non-metallic mineral products.....	25	1,517	3,266,752	19,339,021	6,971,756	28,367,500
Chemicals and allied products.....	15	329	604,795	2,778,765	1,802,088	4,487,922
Miscellaneous industries.....	5	20	40,083	28,872	82,163	112,473
Totals.....	1,480	30,285	46,113,036	111,354,221	84,935,517	204,219,433
New Brunswick						
Vegetable products.....	155	3,024	4,551,250	35,906,402	12,549,676	49,468,332
Animal products.....	206	3,421	4,208,311	18,413,746	8,905,184	27,839,653
Textiles and textile products.....	19	2,236	2,960,623	5,261,729	5,790,862	11,306,020
Wood and paper products	609	10,184	17,155,075	43,074,272	39,326,649	88,181,400
Iron and its products....	36	3,579	8,166,516	7,619,636	11,575,092	19,742,684
Non-metallic mineral products.....	23	391	621,329	1,101,455	1,422,083	2,800,678
Chemicals and allied products.....	7	196	394,643	3,472,316	1,383,478	4,912,551
Miscellaneous industries ¹	6	900	1,525,643	1,641,887	2,534,960	4,278,120
Totals.....	1,061	24,181	39,553,393	116,491,443	83,487,984	208,366,438
Quebec						
Vegetable products.....	1,850	42,851	68,881,980	262,700,520	174,308,112	443,438,491
Animal products.....	1,827	33,678	48,649,433	231,487,536	85,141,483	319,833,537
Textiles and textile products.....	1,826	97,121	145,374,422	307,596,659	267,865,018	582,389,476
Wood and paper products	4,124	78,144	143,599,771	308,304,894	323,049,533	663,213,157
Iron and its products....	543	67,935	141,518,288	158,980,041	215,122,715	382,727,426
Non-ferrous metal products.....	221	29,657	58,494,759	167,550,617	116,967,550	301,522,697
Non-metallic mineral products.....	242	10,389	20,490,498	88,402,184	54,985,447	156,603,642
Chemicals and allied products.....	334	13,931	27,046,502	63,809,222	71,615,706	139,413,967
Miscellaneous industries	256	5,740	8,481,961	12,224,167	15,342,117	27,907,029
Totals.....	11,223	379,449	662,837,614	1,601,055,840	1,324,397,690	3,017,049,422
Ontario						
Vegetable products.....	2,523	72,316	125,420,860	548,458,453	342,988,513	903,328,879
Animal products.....	1,403	25,426	65,659,595	337,351,518	117,513,047	480,385,898
Textiles and textile products.....	1,122	65,021	165,274,826	206,734,544	187,203,602	398,658,092
Wood and paper products	3,567	92,756	176,478,005	304,959,550	353,322,462	678,362,214
Iron and its products....	1,298	154,698	335,330,614	623,279,744	591,986,546	1,244,124,902
Non-ferrous metal products.....	487	60,230	122,330,468	325,175,087	262,401,061	603,501,338
Non-metallic mineral products.....	453	20,062	41,478,473	136,329,636	107,657,343	262,302,070
Chemicals and allied products.....	530	20,250	41,479,219	116,005,850	124,627,955	250,185,950
Miscellaneous industries	417	15,813	26,494,544	33,435,191	48,313,655	82,623,183
Totals.....	11,860	537,581	1,037,976,714	2,651,697,573	2,136,014,184	4,903,472,526

¹ Includes non-ferrous metals.

1.—Summary Statistics of Manufactures of Each Province, Classified by Industrial Groups, 1947—concluded

Province and Group	Establishments	Employees	Salaries and Wages	Cost of Materials	Net Value of Products	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Manitoba						
Vegetable products.....	285	5,679	9,273,821	59,422,007	26,832,524	87,598,527
Animal products.....	208	7,245	13,061,176	86,273,221	25,060,291	112,182,522
Textiles and textile products.....	116	5,043	7,008,757	22,461,809	13,444,152	36,051,189
Wood and paper products	540	7,850	13,072,146	21,193,614	27,667,044	50,000,677
Iron and its products.....	108	10,263	20,846,569	24,487,749	29,722,998	55,595,719
Non-ferrous metal products.....	32	915	1,657,615	10,873,620	5,677,942	16,856,403
Non-metallic mineral products.....	43	1,251	2,191,603	7,583,793	6,202,503	15,313,113
Chemicals and allied products.....	37	631	1,079,517	3,928,939	3,295,714	7,302,723
Miscellaneous industries.....	44	501	776,449	711,591	1,470,353	2,229,408
Totals	1,413	39,378	68,972,653	236,936,343	139,373,521	383,130,281
Saskatchewan						
Vegetable products.....	184	2,803	4,852,245	45,864,860	16,421,667	63,157,978
Animal products.....	96	3,473	6,160,519	48,365,027	12,954,655	61,896,750
Textiles and textile products.....	6	158	251,881	1,541,585	485,037	2,039,613
Wood and paper products	623	3,288	4,227,575	5,410,680	7,984,814	13,649,919
Iron and its products.....	42	568	1,032,611	1,441,363	1,729,598	3,241,519
Non-metallic mineral products.....	33	896	1,885,750	24,256,163	1,591,456	26,884,583
Chemicals and allied products.....	9	100	171,920	409,601	528,254	952,139
Miscellaneous industries ¹	8	437	1,079,469	24,159,742	146,353	24,629,698
Totals	1,001	11,723	19,661,970	151,449,021	41,480,520²	196,452,199
Alberta						
Vegetable products.....	291	4,763	8,103,435	64,402,629	28,986,814	94,312,246
Animal products.....	145	5,297	9,548,735	81,501,958	15,931,942	98,125,197
Textiles and textile products.....	29	846	1,111,496	2,571,871	2,353,727	4,943,153
Wood and paper products	733	6,592	9,748,607	19,523,662	19,152,260	39,221,355
Iron and its products.....	84	3,423	6,955,768	6,904,446	9,213,829	16,439,328
Non-ferrous metal products.....	8	60	120,986	490,632	265,244	763,057
Non-metallic mineral products.....	56	2,350	4,391,015	25,462,780	9,337,131	36,097,604
Chemicals and allied products.....	22	511	1,063,581	1,359,674	3,681,136	5,662,761
Miscellaneous industries.....	14	99	202,548	106,384	367,742	489,428
Totals	1,382	23,941	41,216,171	202,324,036	89,289,825	296,054,129
British Columbia						
Vegetable products.....	529	9,414	15,525,269	72,371,517	43,017,159	116,992,643
Animal products.....	180	8,358	14,852,222	75,662,376	38,409,580	115,360,686
Textiles and textile products.....	70	1,852	2,789,192	6,300,927	5,286,216	11,682,821
Wood and paper products	1,740	40,980	84,428,835	169,983,348	197,702,265	374,049,041
Iron and its products.....	279	12,522	27,237,308	26,787,719	52,654,523	80,545,965
Non-ferrous metal products.....	47	4,432	10,654,403	68,088,339	16,332,006	86,358,412
Non-metallic mineral products.....	66	2,272	4,623,663	20,573,642	10,770,921	33,587,182
Chemicals and allied products.....	75	2,485	5,557,896	12,940,492	21,668,343	35,817,680
Miscellaneous industries.....	54	846	1,613,879	962,317	2,801,165	3,890,162
Totals	3,040	83,161	167,282,667	453,670,677	388,702,178	858,284,592
Yukon and N.W.T.						
Vegetable products.....	4	9	14,408	24,883	20,084	49,977
Wood and paper products	6	16	19,781	24,015	35,726	63,304
All other groups ²	4	120	279,092	641,635	469,220	1,230,828
Totals	14	145	313,251	690,533	525,030	1,344,109

¹ Includes non-ferrous metals. ² Includes iron and its products, non-ferrous metal products, non-metallic mineral products, and miscellaneous industries. ³ Due to interprovincial transfer of materials for further processing, the non-ferrous metal products group reported a loss of \$361,314.

SIZE OF MANUFACTURING ESTABLISHMENT IN EACH PROVINCE 87

The degree of concentration of manufacturing production in large units is illustrated in Table 2. In the Provinces of Quebec and Ontario 37 p.c. of all persons engaged in manufacturing were employed in establishments having 500 or more employees, as compared with 34 p.c. for Canada as a whole. Nova Scotia ranked third with 32 p.c., followed by New Brunswick with 28 p.c., British Columbia 25 p.c., Manitoba 22 p.c., and Alberta 13 p.c. There were no plants in either Prince Edward Island or Saskatchewan with an employment of 500 or more persons.

2.—Concentration of Manufacturing Production in Each Province, 1947

Province	Number of Establishments Employing 500 or More Persons	Percentage of Total Number of Establishments in Province	Provincial Percentage of Number of Employees Accounted for by these Establishments
Prince Edward Island.....	—	—	—
Nova Scotia.....	11	0.7	32.3
New Brunswick.....	8	0.7	27.7
Quebec.....	109	1.0	37.1
Ontario.....	177	1.5	37.1
Manitoba.....	6	0.4	22.0
Saskatchewan.....	—	—	—
Alberta.....	4	0.3	13.0
British Columbia.....	22	0.7	25.1
Yukon and N.W.T.	—	—	—
Canada.....	337	1.0	34.4

3.—Principal Statistics of Manufacturing Industries of Each Province, Classified by Number of Employees per Establishment, 1947

Province and Group	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
Canada—						
Under 5 employees.....	14,438	34,310	33,974,978	4,350,933	169,856,511	246,343,065
5 to 14 “.....	8,778	73,010	107,205,375	8,202,907	322,560,697	537,748,082
15 to 49 “.....	5,655	151,603	246,151,552	16,415,694	674,953,355	1,182,811,960
50 “ 99 “.....	1,755	125,601	215,041,622	15,090,070	577,832,774	1,028,815,561
100 “ 199 “.....	1,064	149,491	262,383,705	23,450,109	742,595,477	1,324,494,492
200 “ 499 “.....	677	208,150	300,613,254	51,253,514	1,086,651,870	2,004,540,720
500 and over.....	837	389,495	829,955,480	135,897,442	1,959,829,332	3,755,972,700
Totals.....	32,734	1,131,750	2,085,925,966	254,690,759	5,534,280,019	10,081,026,580
Prince Edward Island—						
Under 5 employees.....	165	385	209,480	32,018	1,587,566	2,161,382
5 to 14 “.....	59	509	448,816	52,241	1,753,632	2,040,116
15 “ 49 “.....	33	762	876,230	76,489	3,976,642	5,734,315
50 “ 99 “.....	2	250	403,941	33,018	1,292,492	2,117,638
100 “ 199 “.....	1	—	—	—	—	—
Totals.....	260	1,906	1,938,467	193,766	8,610,332	12,653,451
Nova Scotia—						
Under 5 employees.....	730	1,731	1,178,612	129,608	5,293,646	7,976,682
5 to 14 “.....	449	3,825	4,467,113	343,896	13,478,389	23,140,761
15 “ 49 “.....	207	5,449	7,240,373	653,118	20,964,190	34,701,774
50 “ 99 “.....	50	3,655	5,833,830	773,688	12,019,726	23,295,803
100 “ 199 “.....	24	3,370	5,029,130	553,147	10,240,936	20,605,030
200 “ 499 “.....	9	2,472	4,406,041	1,096,325	9,770,023	21,622,741
500 and over.....	11	9,783	17,957,937	4,379,913	39,587,311	72,876,642
Totals.....	1,480	30,285	16,113,036	7,929,695	111,354,221	201,219,433

3.—Principal Statistics of the Manufacturing Industries of Each Province classified by Number of Employees per Establishment, 1947—continued.

Province and Group	Establishments	Em- ployees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
			No.	\$	\$	\$
New Brunswick—						
Under 5 employees....	505	1,233	879,935	122,667	3,228,713	5,152,822
5 to 14 ".....	317	2,561	3,005,199	301,569	8,430,194	14,902,879
15 " 49 ".....	161	4,015	5,329,790	351,851	20,500,845	30,998,325
50 " 99 ".....	42	2,979	4,375,944	554,036	14,238,034	23,366,802
100 " 199 ".....	12	1,648	2,481,922	208,304	5,234,388	11,729,410
200 " 499 ".....	16	5,042	8,951,700	1,693,688	23,132,119	44,581,536
500 and over.....	8	6,703	14,558,903	5,154,896	41,727,150	77,634,664
Totals.....	1,061	21,181	39,583,393	8,387,011	116,491,443	208,366,138
Quebec—						
Under 5 employees....	5,345	12,421	12,700,895	1,549,738	71,365,602	100,478,973
5 to 14 ".....	2,736	22,731	32,194,878	2,086,790	92,571,191	157,955,934
15 " 49 ".....	1,929	52,202	79,893,536	4,302,220	193,742,097	353,665,784
50 " 99 ".....	575	40,228	63,067,264	3,928,111	159,766,426	288,838,787
100 " 199 ".....	325	45,703	74,658,936	6,373,056	208,534,211	367,925,690
200 " 499 ".....	204	65,132	115,921,871	19,938,636	342,537,841	617,485,889
500 and over.....	109	141,032	284,400,234	53,417,341	532,585,472	1,130,698,365
Totals.....	11,223	379,149	662,837,614	91,595,892	1,601,055,840	3,017,049,422
Ontario—						
Under 5 employees....	4,514	10,781	11,775,480	1,678,186	68,144,480	95,322,349
5 to 14 ".....	3,242	27,250	42,195,440	3,143,414	119,439,971	202,197,417
15 " 49 ".....	2,254	60,790	104,405,494	7,605,731	293,675,978	514,176,516
50 " 99 ".....	782	55,416	98,346,254	6,522,501	246,149,101	445,524,078
100 " 199 ".....	533	75,131	135,099,171	11,233,571	345,672,444	634,620,799
200 " 499 ".....	358	108,866	206,639,328	20,737,077	450,815,567	920,291,497
500 and over.....	177	199,347	439,515,547	64,840,289	1,127,800,032	2,091,339,870
Totals.....	11,860	537,581	1,037,976,714	115,768,769	2,651,697,573	4,903,472,526
Manitoba —						
Under 5 employees....	613	1,481	1,427,137	181,120	5,478,259	8,505,260
5 to 14 ".....	382	3,216	4,875,643	456,134	24,628,888	34,787,302
15 " 49 ".....	256	6,917	10,672,222	803,906	34,676,391	56,105,435
50 " 99 ".....	87	6,040	9,910,419	706,899	29,192,521	50,740,393
100 " 199 ".....	44	6,228	10,937,500	2,035,208	45,744,375	76,090,995
200 " 499 ".....	25	6,842	13,229,014	1,770,909	41,998,932	77,357,229
500 and over.....	6	8,654	17,920,718	866,241	55,216,977	79,543,667
Totals.....	1,413	39,378	68,972,653	6,820,417	236,936,343	383,130,281
Saskatchewan—						
Under 5 employees....	623	1,393	934,687	128,217	2,199,512	4,063,126
5 to 14 ".....	247	2,019	2,951,978	444,953	18,216,751	25,322,150
15 " 49 ".....	87	2,245	3,875,110	442,080	19,956,326	28,561,759
50 " 99 ".....	25	1,781	3,177,538	337,454	10,550,994	20,155,583
100 " 199 ".....	10	1,187	2,089,524	391,091	19,251,519	25,291,261
200 " 499 ".....	9	3,098	6,633,133	1,778,863	81,273,919	93,055,320
Totals.....	1,001	11,723	19,661,970	3,522,658	151,449,021	196,452,199
Alberta—						
Under 5 employees....	687	1,659	1,531,303	195,487	6,402,182	9,801,426
5 to 14 ".....	428	3,250	4,716,914	491,895	21,154,043	31,397,911
15 " 49 ".....	175	4,509	7,416,925	572,282	24,146,431	39,895,847
50 " 99 ".....	48	3,329	6,121,356	498,572	32,539,095	47,733,085
100 " 199 ".....	29	4,073	7,419,210	933,421	42,775,314	62,445,661
200 " 499 ".....	11	3,996	7,804,500	1,416,935	38,557,053	58,764,943
500 and over.....	4	3,125	6,235,963	331,676	36,749,918	46,015,256
Totals.....	1,382	23,941	41,246,171	4,440,268	202,321,036	296,051,129

3.—Principal Statistics of the Manufacturing Industries of Each Province, classified by Number of Employees per Establishment, 1947—concluded

Province and Group	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
British Columbia—						
Under 5 employees.....	1,244	3,197	3,296,216	324,749	6,096,993	12,747,028
5 to 14 ".....	918	7,649	12,349,394	882,015	22,887,638	45,403,612
15 " 49 ".....	552	14,672	26,949,540	1,598,976	63,306,749	118,863,123
50 " 99 ".....	173	12,054	23,808,464	1,647,478	72,625,824	127,589,139
100 " 199 ".....	86	12,036	24,485,208	1,730,352	63,977,585	124,138,889
200 " 499 ".....	45	12,702	27,027,667	2,821,081	98,566,416	171,678,565
500 and over.....	22	20,851	49,366,178	6,907,086	126,209,472	257,864,236
Totals.....	3,040	83,161	167,282,667	15,911,737	453,670,677	858,284,592
Yukon and Northwest Territories—						
Under 5 employees.....	12					
15 to 49 ".....	1					
50 " 99 ".....	1					
Totals.....	14	145	313,281	128,546	690,533	1,344,109

Section 1.—The Manufactures of the Maritime Provinces, 1947

In Prince Edward Island the predominant fishing and agricultural resources make fish-curing and packing and butter and cheese the leading manufactures of the Province. Nova Scotia is renowned for its coal mines and its fisheries as well as extensive forests and agricultural lands and is favoured with easy access by sea to the high-grade iron-ore supply of Newfoundland. On these resources are based the leading manufactures of fish-curing and packing, primary iron and steel, sawmills, shipbuilding and repairs, pulp and paper, and butter and cheese. In addition important petroleum refineries and coke and gas plants add to the diversification of manufacturing in the Province. The forests of New Brunswick give a leading place to its pulp and paper and sawmilling industries, while fish and agricultural products add to the varied output. Sugar refining and the production of railway rolling-stock also form important branches of manufacturing production.

4. Statistics of the Leading Industries of the Maritime Provinces, 1947

Industry	Establishments	Employees	Salaries and Wages	Cost of Materials	Net Value of Products	Gross Value of Products
PRINCE EDWARD ISLAND						
1 Fish curing and packing.....	68	638	465,798	1,910,070	782,427	2,733,805
2 Butter and cheese.....	21	1,56	189,781	2,130,130	386,356	2,551,600
3 Sawmills.....	97	231	103,984	325,855	324,055	661,504
4 Printing and publishing.....	4	137	202,314	84,842	304,399	398,270
5 Fruit and vegetable preparations.....	3	52	49,670	267,483	93,164	370,309
6 Bread and other bakery products.....	14	84	86,802	190,774	136,088	338,285
7 Feeds, stock and poultry.....	3	13	16,236	200,654	21,127	224,973
8 Flour and feed mills.....	7	11	8,123	167,327	34,660	203,706
9 Other leading industries ¹	9	326	494,326	3,046,466	1,302,042	4,396,411
Totals, Leading Industries	229	1,648	1,617,094	8,323,901	3,384,318	11,378,863
Totals, All Industries	260	1,906	1,938,167	8,610,332	3,849,353	12,653,151

4.—Statistics of the Leading Industries of the Maritime Provinces, 1947—Concluded

Industry	Establishments	Employees	Salaries and Wages	Cost of Materials	Net Value of Products	Gross Value of Products
NOVA SCOTIA						
	No.	No.	\$	\$	\$	\$
1 Fish curing and packing.....	191	3,441	3,990,895	18,319,869	8,034,873	26,739,279
2 Primary iron and steel.....	5	4,340	7,118,964	11,948,534	7,268,098	21,175,210
3 Sawmills.....	652	3,996	3,930,939	11,210,639	8,274,114	19,654,834
4 Shipbuilding and repairs.....	23	3,024	6,334,361	3,412,032	10,318,518	13,972,848
5 Pulp and paper.....	5	973	2,509,099	4,045,284	6,749,029	11,997,897
6 Butter and cheese.....	26	572	884,990	5,183,092	2,262,768	7,578,575
7 Fruit and vegetable preparations.....	24	927	1,116,258	3,685,747	1,989,117	5,874,576
8 Planing mills, sash and door factories.....	66	961	1,223,412	3,202,987	1,878,424	5,163,666
9 Railway rolling-stock.....	3	745	1,462,730	2,900,231	1,888,431	4,972,385
10 Confectionery, cocoa, etc.....	7	771	837,592	2,437,245	2,447,151	4,945,382
11 Bread and other bakery products.....	94	755	1,092,313	2,429,519	1,995,836	4,599,369
12 Hosiery and knitted goods.....	4	1,043	1,141,548	2,215,751	2,304,658	4,598,315
13 Printing and publishing.....	33	887	1,501,116	826,713	2,963,681	3,849,182
14 Iron and steel products, n.e.s.....	3	532	1,051,861	1,737,277	1,636,461	3,586,652
15 Foods, miscellaneous.....	8	163	232,393	1,696,867	374,122	2,284,238
16 Other leading industries ¹	5	1,804	3,856,042	21,206,365	10,044,941	33,091,849
Totals, Leading Industries.....	1,149	24,934	38,284,513	96,458,152	70,630,222	174,084,257
Totals, All Industries.....	1,180	30,285	46,113,036	111,334,221	84,935,517	204,219,433
NEW BRUNSWICK						
1 Pulp and paper.....	5	3,493	8,509,051	23,126,060	23,123,275	51,459,098
2 Sawmills.....	441	3,600	4,224,435	12,047,018	8,406,327	20,608,236
3 Fish curing and packing.....	153	2,324	2,568,064	9,002,911	5,205,012	14,548,627
4 Foods, miscellaneous.....	7	353	476,066	9,561,359	1,870,097	11,446,906
5 Butter and cheese.....	31	429	585,608	4,798,081	1,470,665	6,382,289
6 Fertilizers.....	3	176	360,637	3,417,745	1,278,375	4,743,604
7 Planing mills, sash and door factories.....	57	1,022	1,406,941	2,801,017	1,866,660	4,732,741
8 Slaughtering and meat packing.....	4	250	480,676	3,423,263	1,149,915	4,618,102
9 Bread and other bakery products.....	82	789	1,124,565	2,415,532	1,926,418	4,522,112
10 Heating and cooking apparatus.....	3	768	1,353,752	1,477,593	2,826,060	4,375,643
11 Feeds, stock and poultry.....	7	134	234,977	3,445,302	415,779	3,882,038
12 Printing and publishing.....	19	501	818,360	417,880	1,746,445	2,200,250
13 Biscuits and crackers.....	3	325	412,547	1,030,672	947,119	2,008,862
14 All other leading industries ¹	11	5,524	10,803,731	26,939,084	20,274,989	48,550,590
Totals, Leading Industries.....	826	19,688	33,359,710	103,903,817	72,507,136	184,079,099
Totals, All Industries.....	1,061	24,181	39,583,393	116,491,443	83,487,984	208,366,438

¹ Individual statistics cannot be given because there are fewer than three establishments in each industry. Such industries are: in Prince Edward Island—starch and glucose, castings and forgings, sheet metal products, fertilizers, cotton and jute bags and slaughtering and meatpacking; in Nova Scotia—cotton yarn and cloth, wire, coke and gas, and petroleum products; in New Brunswick—sugar refineries, railway rolling-stock, cotton yarn and cloth, synthetic textiles and silk, veneer and plywoods, breweries, shipbuilding, and brooms, brushes and mops.

Section 2.—The Manufactures of Quebec, 1947

Quebec contributes about 30 p.c. of the total value of manufactured products of Canada. Quebec's forests, water powers, minerals, and agricultural lands, and also its geographic position astride the St. Lawrence estuary permitting sea-going vessels to reach its main centres of population are among the assets that have tended to develop manufacturing industries. In addition, Quebec has a stable and industrious population, which is an important factor in industries such as textiles, clothing, leather boots and shoes, etc., where a large labour force is required.

The production of pulp and paper occupies the premier position, accounting for about 11 p.c. of the gross value of Quebec manufactures and about 49 p.c. of the Canadian total for this industry. Other industries in which Quebec predominates are: tobacco, cigars and cigarettes with 91 p.c. of the Dominion total; cotton yarn and cloth 70 p.c.; synthetic textiles and silk 67 p.c.; women's factory clothing 67 p.c.; leather boots and shoes 62 p.c.; men's factory clothing 59 p.c.; fur goods 49 p.c.; railway rolling-stock 48 p.c.; and hosiery and knitted goods 42 p.c. Quebec is an outstanding manufacturing province by reason of her large individual industries and not so much on account of a great diversification of manufacturing activity.

5.—Statistics of the Leading Industries of the Province of Quebec, 1947

Industry	Estab- lish- ments	Em- ployees	Salaries and Wages	Cost of Materials	Net Value of Products	Gross Value of Products
	No.	No.	\$	\$	\$	\$
1 Pulp and paper.....	50	23,675	60,623,167	145,897,450	171,518,364	346,119,699
2 Non-ferrous metal smelting and refining.....	7	6,203	13,756,423	87,608,089	42,319,706	145,131,521
3 Clothing, women's factory.....	742	20,300	31,740,627	62,218,864	60,697,014	123,177,572
4 Cotton yarn and cloth	17	16,788	24,950,991	73,288,520	35,809,571	111,477,647
5 Clothing, men's factory	360	16,183	24,440,615	57,830,461	50,096,012	108,220,280
6 Electrical apparatus and supplies	64	16,287	51,559,881	40,308,265	51,657,107	92,503,580
7 Slaughtering and meat packing.....	36	3,364	6,607,374	73,237,752	11,523,512	85,423,378
8 Tobacco, cigars and cigarettes	36	3,382	12,561,67	44,580,956	39,336,061	84,190,188
9 Butter and cheese	884	4,711	1,427,061	69,108,107	12,412,740	82,931,146
10 Petroleum products	6	1,717	3,974,857	58,365,300	16,706,155	78,487,072
11 Railway rolling-stock.....	10	13,361	28,739,017	33,652,629	40,527,963	76,053,620
12 Sawmills.....	2,051	11,613	13,570,091	46,089,961	27,326,597	73,898,677
13 Boots and shoes, leather	151	13,998	18,588,133	36,461,083	28,201,814	64,956,419
14 Synthetic textiles and silk.....	30	10,888	16,644,510	23,122,953	32,371,550	56,965,970
15 Hosiery and knitted goods	106	18,855	14,701,205	23,568,881	28,700,149	53,154,505
16 Machinery	56	9,668	19,195,205	20,330,148	31,913,657	53,073,397
17 Shipbuilding and repairs	10	9,321	26,904,188	24,262,136	24,386,091	49,338,677
18 Bread and other bakery products	1,075	8,544	12,814,395	21,807,030	20,812,338	44,122,883
19 Furniture	345	8,507	13,265,584	21,155,999	22,332,498	44,002,973
20 Feeds, stock and poultry	74	1,043	1,847,265	31,409,683	5,745,959	37,348,221
21 Aircraft	5	6,774	15,320,174	18,287,604	21,720,018	35,500,827
22 Foods, miscellaneous.....	77	1,548	2,025,269	23,648,898	9,996,911	33,901,674
23 Sheet metal products	58	5,184	9,411,427	17,495,351	15,693,901	33,612,393
24 Rubber goods, including rubber footwear.....	19	6,639	10,815,334	14,057,340	18,824,461	33,408,129
25 Breweries	8	3,466	7,829,919	8,099,214	23,284,235	32,020,802
26 Medicinal and pharmaceutical preparations	90	3,437	6,397,533	12,222,854	18,832,885	31,381,842
27 Printing and publishing	73	5,536	11,026,994	8,540,455	21,007,930	29,800,235
28 Brass and copper products	39	3,235	6,258,089	19,652,234	8,916,355	29,137,399
29 Planing mills, sash and door factories	580	5,138	7,077,106	16,765,258	11,420,975	28,570,629
30 Flour and feed mills	162	1,063	2,051,330	24,831,408	3,392,020	28,508,663
31 Fur goods	287	3,022	5,343,408	18,617,565	9,774,037	28,476,537
32 Paints, pigments and varnishes	351	2,418	4,597,946	15,016,007	11,954,020	27,187,752
33 Boxes and bags, paper	18	3,877	4,436,755	15,443,375	10,685,880	26,304,077
34 Primary iron and steel	13	3,804	8,105,153	7,877,675	14,785,145	24,743,928
35 Acids, alkalis, salts, etc	24	2,437	5,748,963	9,347,384	12,525,109	24,525,971
36 Printing and bookbinding	466	5,896	10,218,584	8,525,360	15,659,471	24,436,315
37 Castings, iron	54	4,325	8,720,615	10,083,110	13,387,356	24,017,609
38 Woollen cloth	38	3,183	4,993,496	12,388,744	10,404,350	23,203,875
39 Miscellaneous paper goods	67	2,306	3,597,437	13,717,372	9,042,585	22,937,212
40 Aerated and mineral waters	163	2,184	3,685,937	7,965,533	14,270,921	22,628,013
Totals, Leading Industries		8,168	289,816	515,552,540	1,272,557,977	1,029,873,453
Totals, All Industries		11,223	379,419	662,837,614	1,601,055,840	1,324,397,690
Percentage of Leading Industries to All Industries.....		75.4	76.3	77.7	79.4	77.7
						78.7

Note.—Sugar refining is also one of the leading industries; statistics cannot be published because there are fewer than three establishments.

Section 3.—The Manufactures of Ontario, 1947

The gross value of the manufactured products of Ontario in 1947 represented about 49 p.c. of the total for all Canada. This premier position in manufacturing has been fairly uniformly maintained by Ontario, as the following percentages show: 1926, 52 p.c.; 1918, 53 p.c.; 1910, 50 p.c.; 1900, 50 p.c.; 1890, 51 p.c.; and 1880, 51 p.c. In spite of the rapid industrial development in recent years in other provinces, such as Quebec, British Columbia and Manitoba, Ontario has maintained a manufacturing production roughly equal to that of the remainder of the Dominion.

The geographic position of Ontario on the Great Lakes waterway system, by means of which the iron ore of Minnesota and the coal of Pennsylvania are readily accessible; the wide range of natural resources of forests, minerals, water powers, and agriculture; a large population and excellent water and rail transportation facilities to other parts of the country, have all encouraged industrial development. Other factors have been proximity to one of the most densely populated sections of the United States and the establishment within the Province of branch factories of such United States industries as automobile manufacturing.

Industries producing capital or durable goods, which constitute an important factor in the manufactures of Ontario, were particularly hard hit during the early years of the depression preceding the Second World War. Thus, production was disproportionately curtailed in such important industries as automobiles, electrical equipment, machinery, agricultural implements, primary iron and steel, etc. This resulted in a lowering of the manufacturing production of the whole Province relatively to that of other provinces less affected by these influences. With the recovery since 1933 and the expansion in production resulting from the Second World War these industries in general have made good recovery, and Ontario, which accounted for 49 p.c. of the gross value of all products manufactured in the Dominion in 1933, had by 1942 increased the relative value to 50.5 p.c. In 1947 the percentage dropped again to 48.6, thus indicating a relatively greater expansion of production in other provinces.

Ontario also has the greatest diversification of manufacturing production of any province. Certain industries, such as the manufacture of automobiles, agricultural implements, starch, bicycles and carpets, are carried on practically in this province alone. Other important industries in which Ontario leads, with the percentage which the production of each bears to that of the 1947 Canada total are: miscellaneous non-ferrous metal products 97, abrasives 90, soaps and washing compounds 89, leather tanneries 86, rubber goods 83, cordage, rope and twine 80, woollen yarn 80, clay products from imported clay 78, primary iron and steel 76, electrical apparatus and supplies 73, aluminum products 71, salt 70, toilet preparations 61, coke and gas products 61, acids, alkalies and salts 56, flour and feed mills 54, hosiery and knitted goods 52, glass and glass products 49, and furniture 48.

6.—Statistics of the Leading Industries of the Province of Ontario, 1947

Industry	Estab-	Em-	Salaries	Cost	Net	Gross
	lish-	ployees	and	of	Value	Value
	No.	No.	\$	\$	\$	\$
1 Automobiles.....	6	23,281	57,390,707	222,842,444	109,754,638	334,887,403
2 Electrical apparatus and supplies.....	108	35,718	76,743,404	119,225,146	146,043,180	267,878,980
3 Pulp and paper.....	45	16,927	44,235,111	96,525,344	115,462,734	227,692,596
4 Non-ferrous metal smelting and refining.....	7	7,192	16,777,205	123,405,420	57,590,354	191,998,509
5 Slaughtering and meat packing.....	94	7,701	16,700,230	157,422,323	27,794,159	186,480,658
6 Flour and feed mills.....	629	4,515	7,762,450	153,844,652	20,429,532	175,424,479
7 Primary iron and steel.....	26	17,655	42,691,678	83,204,961	67,258,929	164,756,235
8 Rubber goods, including rubber footwear*.....	33	16,795	35,725,496	68,851,556	91,768,723	162,786,412
9 Machinery.....	202	17,417	36,376,751	47,197,009	81,711,063	130,059,653
10 Automobile supplies.....	82	16,424	34,660,883	63,201,359	61,359,659	126,560,499
11 Butter and cheese.....	763	8,743	14,329,556	85,527,472	27,700,109	115,265,313
12 Petroleum products.....	15	3,454	8,053,482	77,400,548	28,811,725	111,856,345
13 Fruit and vegetable preparations.....	232	10,396	13,937,562	52,873,425	41,326,788	95,430,922
14 Agricultural implements.....	37	15,083	29,718,675	47,621,550	36,020,539	85,032,848
15 Sheet metal products.....	131	10,499	20,019,221	39,460,812	35,987,978	76,462,397
16 Bread and other bakery products.....	1,040	14,590	22,507,717	34,729,993	36,883,443	73,935,647
17 Castings, iron.....	102	11,499	24,999,140	22,791,259	42,582,754	67,223,559
18 Hosiery and knitted goods.....	136	13,840	18,823,901	31,390,340	33,964,074	66,109,634
19 Brass and copper products.....	94	6,302	13,298,763	38,413,526	23,118,486	62,416,117
20 Furniture.....	394	12,426	21,343,686	27,820,154	32,503,957	61,042,762
21 Printing and publishing.....	296	10,227	22,229,346	17,432,885	42,849,053	60,796,603
22 Leather tanneries.....	30	4,616	9,077,316	39,650,014	19,285,401	59,850,997
23 Clothing, men's factory.....	142	9,922	16,398,794	29,372,287	25,506,718	55,045,777
24 Hardware, tools and cutlery.....	202	16,227	30,554,500	18,300,767	35,345,377	54,675,796
25 Printing and bookbinding.....	677	10,701	18,774,057	20,166,297	32,082,906	52,666,972
26 Boxes and bags, paper.....	99	6,829	11,558,255	29,180,037	22,014,043	51,596,622
27 Tobacco processing and packing.....	10	1,081	14,756,055	45,874,044	5,364,446	51,359,981
28 Sawmills.....	8,381	11,110,359	27,896,904	22,872,976	51,170,386	
29 Foods, miscellaneous.....	130	3,603	5,929,628	34,950,333	15,375,187	50,610,377
30 Miscellaneous paper products.....	105	5,216	9,058,106	27,901,038	21,552,544	49,091,200
31 Feeds, stock and poultry.....	104	1,907	3,469,617	40,490,397	7,755,115	48,584,007
32 Clothing, women's factory.....	322	8,270	14,063,660	23,560,790	24,250,122	47,939,332
33 Soaps, washing compounds, etc.....	72	2,547	3,653,493	26,084,689	20,489,323	47,226,137
34 Confectionery, cocoa, etc.....	76	5,338	7,648,328	23,732,760	20,430,870	44,594,917
35 Coke and gas products.....	18	3,036	6,349,822	26,270,806	14,715,263	44,309,703
36 Miscellaneous chemical products.....	108	—	1,884,172	22,774,332	18,960,950	44,116,006
37 Breweries.....	22	3,120	7,749,587	9,885,806	32,331,737	42,200,074
38 Cotton yarn and cloth.....	25	6,402	9,480,349	22,250,459	16,162,265	39,061,618
39 Woollen cloth.....	43	6,150	9,711,420	21,015,708	16,972,084	38,613,188
40 Railway rolling-stock.....	15	5,447	12,287,489	17,153,140	20,714,272	38,571,423
Totals, Leading Industries	7,817	337,411	781,065,619	2,117,772,026	1,553,113,677	3,756,102,081
Totals, All Industries	11,869	537,581	1,037,976,714	2,651,697,573	2,136,014,184	4,903,472,526
Percentage of Leading Industries to All Industries.....	65.9	72.1	73.3	79.9	72.7	76.6

* Synthetic rubber was transferred in 1947 from the rubber industry in the vegetable products group to the miscellaneous chemical industry in the chemical products group.

Section 4.—The Manufactures of the Prairie Provinces, 1947

The leading industries of the Prairie Provinces are those based on agricultural resources—grain-growing, cattle-raising and dairying areas. Next in importance, generally, are industries providing for the more necessary needs of the resident population, such as the baking of bread, printing and publishing, etc. The extensive railway services require large shops for the maintenance of rolling-stock, especially in the Winnipeg area. The widespread use of motor-vehicles and power machinery on farms has given rise to petroleum refineries in each province. The greatly increased production of crude petroleum in Alberta seems likely to lead to further development of the refining industry. Manitoba, as the early commercial centre of the prairies, has had a greater industrial development than either of the other

provinces. Its natural resources of accessible water powers, forests and, more recently, minerals, have given rise to quite a diversification of industrial production.

Considering the Prairie Provinces as an economic unit, slaughtering and meat packing had the largest gross value of production in 1947, amounting to \$178,235,386, followed by flour and feed mills with \$119,264,565, butter and cheese \$75,351,366, and petroleum products \$57,649,999. These four industries accounted for 49 p.c. of the total production of the Prairie Provinces. Other leading industries, in the order of importance, were: railway rolling-stock, breweries, bread and other bakery products, sawmills, printing and publishing, stock and poultry feeds, planing mills, men's factory clothing, miscellaneous foods, cotton and jute bags, etc.

7.—Statistics of the Leading Industries of the Prairie Provinces, 1947

Industry	Establishments	Employees	Salaries and wages	Cost of Materials Used	Net Value of Products	Gross Value of Products
MANITOBA						
1 Slaughtering and meat packing...	13	3,788	7,577,736	59,811,353	14,667,609	74,917,010
2 Flour and feed mills.....	37	773	1,261,149	27,724,952	3,967,188	31,929,376
3 Railway rolling-stock.....	4	5,606	11,831,364	12,587,654	12,107,879	25,253,362
4 Butter and cheese.....	90	1,612	2,690,311	18,210,657	5,598,606	24,144,261
5 Clothing, men's factory.....	36	2,101	2,551,580	6,522,899	4,864,989	11,428,507
6 Bags, cotton and jute.....	5	300	474,635	8,795,942	1,726,202	10,540,640
7 Clothing, women's factory.....	43	1,612	2,595,021	5,404,579	4,597,144	10,032,546
8 Bread and other bakery products.....	139	1,581	2,386,683	3,870,552	4,182,316	8,315,876
9 Foods, miscellaneous.....	19	431	629,856	6,395,196	1,844,211	8,279,618
10 Printing and publishing.....	81	1,516	2,609,587	2,045,162	5,837,745	7,969,137
11 Furniture.....	72	1,121	1,908,654	3,867,548	3,678,415	7,608,405
12 Malt and malt products.....	3	232	530,914	5,422,813	1,460,091	7,168,158
13 Breweries.....	6	630	1,327,837	1,327,085	5,456,613	6,933,405
14 Feeds, stock and poultry.....	21	281	552,966	5,691,553	1,056,587	6,806,268
15 Petroleum products.....	3	208	342,076	4,812,844	1,209,940	5,979,102
16 Printing and bookbinding.....	77	1,441	2,359,544	1,999,492	3,707,015	5,761,940
17 Fur goods.....	57	697	1,212,264	3,373,039	2,053,033	5,469,125
18 All other leading industries ¹	5	898	2,193,885	11,567,464	11,659,401	24,153,046
Totals, Leading Industries	711	24,828	45,036,062	189,430,781	89,521,981	282,689,782
Totals, All Industries	1,413	39,378	68,972,653	236,936,343	139,373,521	383,130,281
SASKATCHEWAN						
1 Flour and feed mills.....	34	861	1,763,496	34,365,621	5,817,922	40,635,390
2 Slaughtering and meat packing.....	8	1,835	3,659,916	27,248,776	6,991,255	34,487,263
3 Butter and cheese.....	69	1,485	2,241,745	20,363,312	5,442,378	26,121,547
4 Petroleum products.....	7	598	1,330,639	23,788,985	480,907	25,191,964
5 Breweries.....	5	392	786,424	1,295,652	5,732,477	7,145,272
6 Bread and other bakery products.....	93	1,001	1,444,494	2,867,822	2,549,335	5,575,165
7 Printing and publishing.....	110	1,017	1,765,838	970,076	3,155,277	4,198,183
8 Sawmills.....	427	1,341	987,690	1,707,527	2,385,477	4,185,743
9 Feeds, stock and poultry.....	13	134	237,055	3,173,270	454,412	3,659,741
10 Foods, miscellaneous.....	8	153	181,888	1,583,699	591,383	2,193,456
11 Planing mills, sash and door factories.....	21	346	542,248	905,916	1,004,640	1,946,279
12 Aerated and mineral waters.....	19	165	266,101	585,697	863,733	1,504,583
13 All other leading industries ¹	6	517	1,238,863	28,186,570	406,865	29,320,542
Totals, Leading Industries	820	9,845	16,446,397	147,022,923	35,876,061	186,165,128
Totals, All Industries	1,001	11,723	19,661,970	151,449,021	41,480,520	196,452,199
ALBERTA						
1 Slaughtering and meat packing.....	11	3,448	6,719,830	58,514,177	9,958,860	68,831,113
2 Flour and feed mills.....	69	1,012	1,942,043	39,096,107	7,282,975	46,699,799
3 Petroleum products.....	7	658	1,451,093	22,314,363	3,507,688	26,478,933
4 Butter and cheese.....	106	1,577	2,421,091	19,888,569	4,892,029	25,085,558

For footnote, see end of table.

7.—Statistics of the Leading Industries of the Prairie Provinces, 1947—concluded

Industry	Establishments	Employees	Salaries and Wages	Cost of Materials Used	Net Value of Products	Gross Value of Products
ALBERTA--concluded						
	No.	No.	\$	\$	\$	\$
5 Sawmills.....	453	2,591	2,893,095	4,946,914	5,529,979	10,743,328
6 Planing mills.....	56	1,224	1,982,157	6,554,632	4,064,173	10,722,774
7 Breweries.....	5	555	1,176,539	2,133,631	7,497,834	9,731,288
8 Bread and other bakery products.....	130	1,445	2,243,730	4,408,194	4,340,905	8,921,371
9 Railway rolling-stock.....	3	1,655	3,569,911	3,110,311	3,526,824	6,836,935
10 Feeds, stock and poultry.....	28	262	450,212	4,959,143	1,195,409	6,212,742
11 Printing and publishing.....	79	971	1,822,873	1,016,252	4,131,664	5,200,348
12 Clothing, men's factory.....	7	561	722,549	1,873,114	1,745,701	3,628,867
13 Fruit and vegetable preparations.....	8	301	364,010	1,314,799	1,422,321	2,762,595
14 Printing and bookbinding.....	63	601	1,099,797	703,702	1,684,851	2,411,601
15 Foods miscellaneous.....	14	125	167,585	1,939,440	449,449	2,400,263
16 Furniture.....	45	424	666,191	1,038,608	1,240,510	2,299,660
17 Castings, iron.....	9	510	927,485	663,472	1,412,788	2,110,327
18 Aerated and mineral waters.....	18	214	360,448	686,340	1,178,124	1,902,156
19 Clay products from domestic clay.....	12	543	855,688	26,767	1,657,351	1,771,250
20 Biscuits and crackers.....	4	154	225,728	652,846	820,646	1,480,658
21 Machine shops.....	30	346	708,411	467,976	980,567	1,476,289
22 Boxes, wooden.....	5	256	425,028	703,621	728,141	1,446,119
23 Sheet metal products.....	8	149	281,068	560,411	674,833	1,243,627
24 All other industries ¹	15	2,205	4,150,403	19,373,588	12,529,896	33,173,519
Totals, Leading Industries	1,183¹	31,797	37,625,965	196,956,477	82,154,018	283,571,120
Totals, All Industries	1,382	33,943	41,246,171	202,324,136	89,289,825	296,051,129

¹ Other leading industries, individual statistics for which cannot be given because there are fewer than three establishments in each industry are: Manitoba, non-ferrous metal smelting and refining, pulp and paper, and bridge and structural steel; Saskatchewan, non-ferrous metal smelting and refining, cotton and jute bags, wood preservation, and vegetable oil mills; Alberta, cement, wood preservation, malt and malt products, sugar refineries, processed cheese, fertilizers, bridge and structural steel, vegetable oil mills, condensed milk, paper boxes and bags, and glass products.

Section 5.—The Manufactures of British Columbia, 1947

British Columbia with a gross value of production of \$858,284,592 in 1947 was again the third most important manufacturing province in Canada. About 25 p.c. of that amount was contributed by the sawmilling industry followed by pulp and paper, fish processing and meat packing. Shipbuilding, which occupied first place during the war years, was in fifth place in 1947. At the height of its productive effort in 1943 it employed 31,238 persons who were paid \$64,939,484 in salaries and wages, while the value of production reached the unprecedented figure of \$155,536,396. In spite of its decline, the shipbuilding industry in 1947 was still the second largest employer of labour and also paid out the third highest amount in salaries and wages. Emphasizing the importance of the forests in the industrial life of the Province, the sawmilling industry ranked first with a gross value of production of \$218,235,191, and the pulp and paper industry second with \$61,346,715. Third in importance was fish curing and packing, based principally on the estuarial salmon fisheries. British Columbia accounted for 54 p.c. of the total production of this industry in Canada. Other important industries are: slaughtering and meat packing, shipbuilding and repairs, fruit and vegetable preparations, fertilizers, veneer and plywood, petroleum products, butter and cheese, etc. The varied resources of the Pacific Coast have resulted in a wide diversification of its manufactures.

8.—Statistics of the Leading Industries of the Province of British Columbia, 1947

	Industry	Estab-	Em-	Salaries	Cost of	Net	Gross
		lish-	ployees	and	Materials	Value of	Value of
		No.	No.	\$	\$	\$	\$
1	Sawmills.....	1,064	22,946	45,955,873	103,030,866	113,740,151	218,235,191
2	Pulp and paper.....	8	4,426	12,414,932	23,048,723	34,376,962	61,346,715
3	Fish curing and packing.....	70	4,524	7,911,461	30,692,728	25,337,768	56,618,563
4	Slaughtering and meat packing....	11	1,260	2,666,980	25,684,523	4,493,002	30,378,352
5	Shipbuilding and repairs.....	23	5,314	11,587,015	3,451,519	24,687,839	28,489,231
6	Fruit and vegetable preparations..	78	2,533	3,552,976	16,919,045	9,261,532	26,424,577
7	Fertilizers.....	5	1,364	3,382,839	7,560,672	14,815,468	23,441,939
8	Veneer and plywood.....	10	2,493	5,088,307	8,515,178	13,797,745	22,499,208
9	Petroleum products.....	5	505	1,234,825	15,582,777	4,163,158	20,562,850
10	Butter and cheese.....	34	1,469	2,635,602	13,447,869	5,859,369	19,667,469
11	Foods, miscellaneous.....	40	629	910,652	14,636,262	1,630,878	16,323,408
12	Bread and other bakery products.	272	2,706	4,685,508	7,343,562	7,634,692	15,377,903
13	Planing mills, sash and door factories.....	107	1,800	3,485,505	7,756,043	5,565,722	13,485,753
14	Feeds, stock and poultry.....	32	620	1,031,047	10,218,605	2,422,017	12,765,813
15	Machinery.....	38	2,009	4,436,472	4,376,659	7,728,110	12,251,844
16	Sheet metal products.....	26	925	2,087,085	7,361,425	4,426,371	11,890,804
17	Breweries.....	11	768	1,712,023	2,033,308	9,506,396	11,710,870
18	Printing and publishing.....	74	2,286	5,001,175	2,774,390	8,265,586	11,133,302
19	Furniture.....	156	2,037	3,391,027	5,038,591	5,211,623	10,347,618
20	All other leading industries ¹	7	5,319	12,291,171	84,765,479	25,150,560	112,297,436
	Totals, Leading Industries	2,071	65,933	135,462,475	394,238,224	328,074,449	735,248,846
	Totals, All Industries	3,040	83,161	167,282,667	453,670,677	388,702,178	858,284,592

¹ Includes distilleries, non-ferrous metal smelting, vegetable oil mills, sugar refineries, and bridge and structural steel.

Section 6.—Manufacturing Industries in Urban Centres

The prosperity of most of the cities and towns of Canada, especially in the east, is intimately connected with their manufacturing industries, which provide employment for a large proportion of their gainfully occupied population. In the west the cities are more largely distributing centres, though manufactures are rapidly increasing there also.

Table 9, indicating the extent to which the manufacturing industries of Canada are concentrated in urban centres, shows by provinces the proportion of the gross manufacturing production contributed by cities and towns having a gross production of over \$1,000,000 each. In the more highly industrialized provinces of Ontario and Quebec such cities and towns in 1947 accounted for 93·8 p.c. and 92·6 p.c., respectively, of the totals for those provinces, while in the Maritime Provinces and British Columbia, where sawmilling, fish-packing, and dairying are leading industries, the proportions fell to 63·3 p.c. and 59·6 p.c. respectively. In the Prairie Provinces manufacturing is confined largely to a few urban centres.

**9.—Cities and Towns Each with a Gross Manufacturing Production of Over \$1,000,000.
Number of Establishments and Total Production in such Urban Centres as a
Percentage of the Grand Total, by Provinces, 1947**

NOTE.—Statistics published in this table are in some cases higher than the figures published in Table 12, since, in the table below are included statistics of towns with less than three establishments and production of over \$1,000,000 each. It was not possible to publish this information in Table 12 without disclosing the operations of individual establishments.

Province	Urban Centres with a Gross Production of over \$1,000,000 each	Establish- ments Reporting in Urban Centres Producing over \$1,000,000 each	Total Production in Urban Centres Producing over \$1,000,000 each	Total Production in each Province	Production in Urban Centres as a Per- centage of Total Production in each Province
	No.	No.	\$	\$	p.c.
Prince Edward Island.....	2	57	7,012,864	12,653,451	55.4
Nova Scotia.....	23	443	134,765,598	204,219,433	66.0
New Brunswick.....	16	352	147,205,719	208,366,438	70.7
Quebec.....	121	6,622	2,795,431,858	3,017,049,422	92.6
Ontario.....	157	8,630	4,598,961,524	4,903,472,526	93.8
Manitoba.....	10	927	336,293,553	383,130,281	88.0
Saskatchewan.....	9	335	149,915,962	196,452,199	76.3
Alberta.....	12	607	246,717,545	296,054,129	83.3
British Columbia.....	20	1,837	511,349,120	858,284,592	59.6
Yukon and Northwest Territories.....	-	-	-	1,344,109	-
Canada.....	370	19,810	8,927,653,743	10,081,026,580	88.6

**10.—Principal Statistics of the Manufacturing Industries of the Six Leading
Manufacturing Cities of Canada, 1933-47**

NOTE.—The dyeing, cleaning and laundry industry is included for the years prior to 1936.

City and Year	Estab- lish- ments	Capital	Em- ployees	Salaries and Wages	Cost of Materials	Gross Value of Products ¹
	No.					
Montreal.....1933	2,226	363,342,078	80,212	74,150,933	148,504,215	300,636,197
	2,474	415,810,151	105,247	112,652,112	281,407,645	511,141,054
1937	2,501	423,234,648	105,315	114,602,118	254,188,246	483,246,583
1939	2,669	556,588,023	147,917	187,239,445	444,557,884	803,685,931
1941	3,007	629,809,985	169,987	240,888,491	541,625,660	976,767,738
1942	2,992	721,223,427	194,643	307,922,631	665,209,935	1,184,114,458
1943	3,109	2	185,708	308,396,358	650,618,563	1,215,988,014
1944	3,404	2	181,679	304,247,761	600,919,272	1,144,175,108
1945	3,785	2	173,507	291,381,617	602,667,823	1,147,945,303
1946	3,950	2	177,744	325,114,158	682,056,090	1,298,019,266
Toronto.....1933	2,604	388,995,006	75,645	80,855,883	146,286,472	308,983,639
	2,797	123,359,308	76,247	115,520,050	247,422,038	475,470,119
1937	2,885	447,009,768	98,702	122,553,435	240,532,281	482,532,331
1939	3,045	554,317,600	133,099	184,267,132	391,328,916	756,923,939
1941	3,211	635,981,329	151,639	228,875,152	451,198,158	886,256,494
1942	3,238	647,907,281	156,459	259,307,913	481,504,056	961,923,997
1943	3,344	2	154,538	260,776,613	513,429,109	1,020,345,353
1944	3,482	2	146,335	244,055,112	496,204,721	961,736,716
1945	3,632	2	145,556	247,298,288	549,256,912	1,036,939,790
1946	3,705	2	151,137	289,363,797	648,648,084	1,231,936,820
Hamilton.....1933	469	171,625,714	21,524	21,523,337	35,672,272	83,530,255
	479	182,750,956	32,16	40,255,040	83,575,573	170,651,205
1937	461	206,584,330	31,512	39,563,423	70,829,034	152,746,340
1939	491	255,892,917	45,421	72,845,604	136,403,197	283,670,019
1941	482	273,212,977	50,744	85,111,817	166,078,144	347,752,196
1942	485	315,896,136	54,671	95,576,332	164,271,139	362,743,019
1943	485	2	53,500	94,982,915	171,117,467	363,033,672
1944	480	2	50,520	89,639,262	166,349,884	351,676,308
1945	482	2	45,951	80,959,432	150,977,835	308,033,098
1946	501	2	50,567	101,424,109	205,430,175	411,817,530
1947	512	2	-	-	-	-

For footnotes, see end of table, p. 98.

10.—Principal Statistics of the Manufacturing Industries of the Six Leading Manufacturing Cities of Canada, 1933-47—Concluded

City and Year	Est- ab- lish- ments	Capital	Em- ployees	Salaries and Wages	Cost of Materials	Gross Value of Products ¹
						No.
Windsor.....	247	66,398,372	10,212	10,719,819	25,752,258	49,359,245
	223	77,750,511	18,650	26,919,449	78,667,058	136,896,194
	222	80,436,233	17,729	25,938,890	63,907,106	122,474,320
	223	138,929,934	29,486	57,653,986	175,847,231	289,027,790
	233	206,556,146	37,057	76,276,589	240,384,518	383,323,348
	229	206,850,571	38,516	85,965,874	247,504,385	417,745,229
	231	2	35,912	80,667,573	232,102,240	387,603,874
	241	2	28,826	63,515,050	167,675,110	280,743,622
	256	2	30,889	60,315,436	138,788,813	244,925,148
	273	2	32,154	74,748,834	204,383,024	367,122,739
Vancouver.....	746	74,209,271	12,094	11,754,124	28,588,106	55,160,883
	824	85,851,189	17,641	20,783,032	53,139,109	95,717,017
	829	92,797,032	17,957	22,382,192	56,565,511	101,267,243
	864	115,960,608	25,223	34,132,996	90,720,812	162,982,858
	897	136,336,017	37,558	60,779,827	116,153,100	223,295,187
	898	193,795,910	45,971	81,059,815	130,442,455	288,196,900
	933	2	43,473	79,141,407	142,416,371	289,390,718
	992	2	37,599	66,144,015	137,118,244	265,034,773
	1,071	2	31,408	55,960,984	138,045,068	270,165,166
	1,127	2	33,119	65,363,332	174,822,180	313,964,785
Winnipeg.....	600	73,886,398	15,336	15,155,537	28,355,612	50,287,280
	622	72,419,041	17,284	19,687,511	45,498,865	80,108,696
	648	73,255,368	17,571	20,717,273	44,873,043	81,024,272
	677	105,406,381	23,831	30,169,726	73,427,543	127,913,351
	692	113,297,399	27,768	38,191,886	88,897,218	156,332,353
	688	100,511,565	24,898	35,807,283	106,485,838	174,523,234
	686	2	25,870	38,824,299	119,917,745	198,169,626
	716	2	26,206	40,115,513	117,453,819	197,523,922
	756	2	26,730	42,354,650	121,531,306	206,381,007
	779	2	27,651	47,728,392	130,721,062	228,028,346

¹ Net value is derived from gross value by deducting cost of materials, fuel, and electricity. For cost of fuel and electricity in 1947 see Table 12.

² Information not collected.

11.—Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, Grouped According to the Number of Employees per Establishment, 1947.

GREATER MONTREAL

Group	Estab- lish- ments	Em- ployees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
						No.
Under 5 employees.....	1,080	2,645	3,790,277	170,570	12,095,642	22,308,541
5 to 14 "	1,294	11,116	17,633,180	634,127	39,122,281	75,807,269
15 " 49 "	1,224	33,244	54,533,741	1,770,071	123,978,086	230,614,917
50 " 99 "	352	24,340	41,135,621	1,850,580	107,803,245	193,160,946
100 " 199 "	179	25,031	43,485,789	2,102,200	126,008,035	217,321,939
200 " 499 "	109	36,013	66,864,187	10,985,362	180,292,493	340,881,806
500 and over.....	52	73,150	151,960,705	9,300,514	253,970,281	501,032,900
Totals¹	4,290	205,539	379,403,500	26,813,424	843,270,063	1,581,128,318

¹ Totals for Greater Montreal do not include the non-ferrous smelting and refining industry.

11.—Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, Grouped According to the Number of Employees per Establishment, 1947 -Con-

GREATER TORONTO

Group	Estab- lish- ments	Em- ployees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products	
		No.	No.	\$	\$	\$	
Under 5 employees.....		1,014	2,515	3,653,530	285,232	7,241,338	15,318,736
5 to 14 "		1,268	11,145	19,963,262	703,260	36,659,076	70,744,211
15 " 49 "		1,043	27,740	50,889,350	1,777,452	116,509,904	217,563,189
50 " 99 "		310	21,869	40,602,541	1,793,609	102,209,280	184,209,506
100 " 199 "		172	24,324	45,260,459	2,847,113	117,058,739	212,224,077
200 " 499 "		107	33,312	63,741,036	3,562,572	128,983,053	270,941,758
500 and over.....		53	52,387	113,451,985	6,502,548	252,734,208	481,116,320
Totals.....		3,967	173,292	336,562,193	17,472,086	761,365,598	1,452,117,797

GREATER HAMILTON

Under 5 employees.....		145	353	458,302	39,259	989,134	1,899,369
5 to 14 "		153	1,285	2,130,864	145,103	3,279,747	7,429,059
15 " 49 "		110	3,029	5,492,978	491,130	14,335,132	26,385,942
50 " 99 "		37	2,583	4,887,559	256,410	15,841,914	26,103,013
100 " 199 "		33	4,743	8,830,066	600,783	25,643,430	44,661,361
200 " 499 "		36	10,749	20,276,223	2,662,913	48,266,924	91,092,403
500 and over.....		19	28,092	59,720,714	10,280,053	98,510,368	216,948,967
Totals.....		533	50,839	101,796,706	14,505,651	206,866,619	414,520,114

GREATER WINDSOR

Under 5 employees.....		81	188	244,068	20,262	386,417	890,718
5 to 14 "		80	692	1,187,928	69,213	2,355,984	4,709,657
15 " 49 "		57	1,555	3,098,990	152,156	5,878,416	11,836,543
50 " 99 "		26	1,783	3,885,043	180,885	8,812,629	18,305,947
100 " 199 "		22	3,013	6,187,169	378,964	12,297,537	27,386,813
200 " 499 "		17	5,426	12,643,471	1,591,499	18,436,381	50,479,697
500 and over.....		8	20,074	48,503,234	2,237,432	158,719,091	258,002,248
Totals.....		291	32,731	75,749,903	4,660,411	206,886,455	371,611,623

GREATER WINNIPEG

Under 5 employees.....		217	642	835,578	75,054	2,511,960	4,181,552
5 to 14 "		253	2,207	3,560,774	215,707	11,731,121	18,152,523
15 " 49 "		226	6,095	9,553,988	561,382	30,983,458	50,216,656
50 " 99 "		80	5,564	9,168,337	558,969	26,333,141	46,369,486
100 " 199 "		38	5,403	9,291,004	1,574,469	30,499,313	54,172,422
200 " 499 "		21	5,678	10,621,606	733,378	38,231,689	65,417,745
500 and over.....		5	6,414	13,185,010	695,613	49,019,402	68,483,512
Totals.....		870	32,003	56,224,297	4,417,572	189,310,084	306,993,899

GREATER VANCOUVER

Under 5 employees.....		419	1,049	1,380,119	95,338	2,194,885	4,642,862
5 to 14 "		413	3,604	6,203,530	302,880	10,396,566	20,986,595
15 " 49 "		292	7,958	15,231,960	731,743	37,184,836	66,279,251
50 " 99 "		95	6,658	13,406,416	833,675	42,671,402	73,577,182
100 " 199 "		60	8,574	17,360,223	992,060	44,500,429	84,974,762
200 " 499 "		29	8,047	15,953,964	1,299,323	63,697,571	104,919,571
500 and over.....		11	8,447	19,662,228	1,212,539	23,799,955	72,434,570
Totals.....		1,319	44,365	89,198,440	5,517,558	224,545,644	427,814,793

12.—Statistics of Manufactures of Municipalities, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1947

NOTE.—Statistics for cities and towns with three or more establishments cannot be published when one establishment has 75 p.c. or two establishments 90 p.c. of the total production.

Province and Municipality	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Prince Edward Island—						
Charlottetown.....	37	604	856,709	73,110	2,811,443	4,586,629
Summerside.....	20	283	343,335	31,687	1,789,431	2,426,235
Nova Scotia—						
Amherst.....	24	906	1,487,199	222,417	2,113,359	4,654,266
Berwick.....	10	234	275,086	77,919	984,086	1,739,606
Bridgetown.....	8	206	291,926	22,926	639,930	1,402,828
Bridgewater.....	21	211	318,872	20,076	540,855	1,126,683
Dartmouth.....	17	266	415,744	44,399	923,444	2,041,552
Digby.....	9	298	386,719	22,604	1,122,013	1,912,308
Halifax.....	117	6,121	10,983,890	619,077	17,596,379	38,665,912
Kentville.....	8	250	318,059	55,729	537,154	1,148,434
Lockport.....	3	236	322,567	38,282	842,853	1,448,672
Lunenburg.....	16	596	953,302	77,606	2,871,391	4,687,338
Mahone Bay.....	8	188	278,265	13,576	158,145	1,048,739
Middleton.....	10	284	375,654	53,013	1,945,387	2,662,887
New Glasgow.....	27	821	1,314,932	177,473	1,447,048	3,924,983
North Sydney.....	12	361	501,401	33,038	1,476,904	2,646,015
Oxford.....	10	181	237,009	23,503	681,283	1,184,858
Pictou.....	10	229	338,840	25,667	606,386	1,287,438
Sydney.....	40	5,507	9,494,030	2,841,520	18,173,661	35,211,556
Trenton.....	6	1,014	1,995,049	354,549	3,927,245	6,951,031
Truro.....	35	1,676	1,977,020	162,188	4,336,722	8,269,803
Windsor.....	10	372	454,704	49,108	2,028,970	3,018,585
Yarmouth.....	29	1,002	1,361,805	132,488	3,950,848	6,457,025
New Brunswick—						
Campbellton.....	16	358	495,623	41,386	790,984	1,524,938
Fredericton.....	38	831	1,136,723	72,794	2,616,529	4,663,319
Grand Falls.....	11	108	130,792	17,163	808,991	1,190,232
Moncton.....	52	3,343	5,849,918	483,409	11,097,856	19,942,670
Newcastle.....	13	190	232,139	19,734	1,061,945	1,505,587
Sackville.....	10	785	1,330,886	72,159	1,625,893	4,534,148
Saint John.....	118	4,190	6,977,582	1,104,201	39,517,078	56,062,442
St. Stephen.....	15	496	658,886	43,944	1,527,389	2,935,971
Sussex.....	15	282	376,239	25,655	1,493,605	2,557,567
Woodstock.....	20	185	230,185	37,555	854,453	1,393,458
Quebec—						
Acton Vale.....	13	863	1,223,581	64,044	2,219,199	3,900,428
Asbestos.....	14	610	1,071,607	252,640	3,309,039	5,383,553
Beauharnois.....	14	1,518	3,208,315	1,059,691	6,037,006	12,282,167
Beauport.....	12	198	262,576	8,152	599,766	1,054,744
Bedford.....	11	737	1,058,351	35,462	429,674	3,220,983
Beebe Plain.....	7	251	348,977	17,757	803,923	1,376,528
Berthier.....	15	833	995,558	146,357	2,192,450	4,371,959
Brownsville.....	8	1,111	1,855,536	80,950	2,814,681	6,670,298
Buckingham.....	17	988	2,289,702	723,076	4,016,100	11,616,310
Cabano.....	8	342	493,719	8,509	920,692	1,838,943
Cap de la Madeleine.....	28	1,570	2,727,919	674,111	5,747,411	13,194,761
Chambly Canton.....	7	387	683,855	63,575	716,676	1,773,701
Chicoutimi.....	24	432	623,571	40,861	1,355,131	2,751,704
Coaticook.....	23	980	1,307,424	54,089	3,111,975	5,506,183
Contrecoeur.....	12	329	351,013	11,671	795,467	1,354,095
Cookshire.....	8	198	262,617	16,519	599,792	1,141,411
Danville.....	12	191	273,349	71,357	743,896	1,247,215
Drummondville.....	39	8,227	12,457,035	1,308,602	14,579,737	40,156,930
Farham.....	19	891	1,396,041	127,226	3,342,341	6,942,239
Granby.....	63	5,372	7,752,603	415,162	18,482,772	37,858,935
Grand'Mère.....	28	2,388	4,108,498	1,064,738	8,816,561	21,162,467
Hull.....	60	3,122	5,644,576	1,411,923	15,915,452	27,568,369
Huntingdon.....	13	588	1,128,438	85,066	3,807,016	6,204,441
Iberville.....	18	374	548,593	33,889	1,497,327	2,866,322
Joliette.....	55	1,871	2,575,115	321,637	5,003,900	9,722,905
Lachine.....	46	7,362	15,755,556	742,797	18,003,971	33,917,721
Lachute.....	10	253	393,054	97,329	1,084,730	1,725,754
La Pérade (Ste Anne de).....	12	275	316,735	63,704	2,016,249	2,844,501
Laprairie.....	20	777	1,248,803	609,794	690,300	3,765,615
La Salle.....	24	2,426	4,695,441	698,524	20,076,088	35,901,029
L'Assomption.....	15	367	524,633	32,975	1,058,783	1,992,713
Lennoxville.....	9	382	749,502	147,122	1,759,683	3,212,725
L'Epiphanie.....	14	392	473,085	21,273	736,684	1,493,697
Lévis.....	31	574	797,118	34,248	2,077,330	3,508,680
Longueuil.....	36	1,341	2,244,203	121,907	2,740,191	6,162,881

12.—Statistics of Manufactures of Municipalities, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1917—continued

Province and Municipality	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Quebec—Concluded—						
Loretteville.....	32	745	743,624	24,415	1,831,592	3,136,314
Marienville.....	16	526	617,194	29,663	2,391,868	4,104,332
Matane.....	16	292	501,981	9,572	1,289,170	2,383,069
Mégantic (Lac).....	18	579	845,764	25,496	723,056	1,846,946
Mont Laurier.....	12	206	247,792	13,723	831,191	1,532,216
Montmagny.....	41	1,652	2,378,457	123,239	4,613,762	10,347,243
Montréal.....	3,950	177,744	325,114,158	17,075,065	682,056,090	1,298,019,266
Montréal Est.....	20	3,926	8,437,936	6,463,298	120,011,114	154,422,322
Mont Royal.....	4	1,527	2,601,642	61,638	3,821,266	7,442,675
Napierville.....	12	181	166,775	22,539	768,896	1,036,022
Nicolet.....	16	400	523,479	19,241	975,398	2,200,947
Outremont.....	18	1,231	2,177,338	100,416	9,803,038	17,454,511
Plessisville.....	2	—	1,111	51,298	1,750,552	3,499,199
Pointe aux Trembles.....	11	424	652,089	38,161	967,041	2,286,424
Pont Rouge.....	11	399	552,367	171,536	2,196,096	4,531,827
Port Neuf Station.....	12	221	307,163	65,416	1,255,406	2,001,311
Princeville.....	13	400	537,044	49,470	3,380,312	4,330,236
Québec.....	377	13,553	20,582,906	2,720,646	54,386,526	98,494,544
Richmond.....	11	485	697,962	23,266	1,442,200	3,332,310
Rimouski.....	23	613	1,023,984	33,867	2,364,225	4,458,495
Rivière du Loup.....	22	447	708,984	83,265	638,678	1,709,588
Roberval.....	10	181	225,883	18,460	868,201	1,515,544
Rock Island.....	15	760	1,486,479	67,072	1,084,876	4,128,010
St. Césaire.....	24	305	314,985	29,688	942,288	1,466,868
Ste Croix.....	9	191	217,612	10,535	580,882	1,047,309
St. Félicien.....	18	125	189,511	17,631	1,145,752	1,475,642
St. George de Beauce.....	12	382	507,968	41,846	724,730	1,597,013
St. Hyacinthe.....	77	5,379	7,391,857	467,149	19,908,357	32,817,598
St. Jacques.....	13	224	245,732	8,597	1,132,888	1,553,613
St. Jean.....	5	—	5,521,751	62,068	12,982,558	30,388,623
St. Jérôme (Terrebonne).....	39	1	1,774,189	43,881	10,783,881	24,148,998
St. Lambert.....	16	726	1,117,223	76,933	1,782,796	3,931,631
St. Laurent.....	22	3,017	5,817,701	509,024	10,104,142	21,023,479
St. Marie.....	18	424	462,231	37,284	1,209,681	2,123,672
St. Pie.....	12	200	240,315	20,627	1,181,955	1,026,427
St. Pierre (Montreal Co.).....	12	1,909	3,978,631	817,673	4,336,566	13,703,220
St. Rémi.....	11	348	445,556	39,705	1,690,634	2,766,759
Ste Thérèse de Blainville.....	31	1,324	1,966,483	82,010	3,110,732	8,142,657
St. Titus.....	22	366	382,623	13,058	802,823	1,408,837
Shawinigan Falls.....	43	5,120	11,297,562	5,291,142	22,254,389	56,769,719
Shawville.....	8	106	159,104	13,152	970,111	1,318,012
Sherbrooke.....	102	8,523	14,088,457	895,867	24,588,047	52,798,090
Sorel.....	36	1,348	2,342,765	334,740	1,843,171	6,524,465
Terrebonne.....	16	472	772,974	30,443	1,415,076	2,653,568
Thetford Mines.....	25	416	543,962	59,368	472,987	1,531,503
Three Rivers.....	81	7,320	14,395,376	5,555,725	38,656,038	75,787,048
Thurso.....	11	294	390,023	12,000	1,354,262	1,767,470
Trois Pistoles.....	14	225	353,966	11,980	1,782,550	2,766,676
Valleyfield.....	48	4,042	6,455,117	640,938	11,578,995	22,076,212
Verchères.....	1	—	11,400	42,458	—	1,214,030
Verdun.....	55	1,550	2,000,156	165,215	5,918,899	11,472,931
Victoriaville.....	47	2,314	3,314,222	115,739	6,410,032	12,202,827
Warwick.....	15	440	695,110	89,363	1,735,554	3,335,963
Waterloo.....	15	753	1,183,506	65,272	1,670,181	4,459,411
Westmount.....	17	1,777	3,653,901	261,327	5,175,868	12,532,442
Windsor (Mills).....	10	977	2,092,393	606,574	5,273,934	10,531,118
Ontario—						
Acton.....	19	1,134	1,871,341	238,457	8,855,259	13,760,738
Almonte.....	13	467	680,997	76,484	2,536,368	3,881,113
Amherstburg.....	11	737	1,543,676	1,324,733	3,112,904	9,944,433
Arnprior.....	20	641	1,093,686	93,561	1,922,214	4,248,768
Aurora.....	13	555	1,025,429	61,829	5,786,551	5,187,514
Barrie.....	20	859	1,408,109	106,582	6,755,445	10,987,957
Bellefontaine.....	47	2,096	3,642,519	599,329	5,077,915	13,763,640
Bloomfield.....	8	147	181,746	19,339	884,528	1,517,987
Bowmanville.....	16	1,069	2,202,204	170,322	4,454,923	10,337,995
Brampton.....	26	936	1,722,474	74,987	3,467,096	6,311,074
Brantford.....	144	13,853	25,731,946	1,307,120	47,333,979	88,766,595
Brighton.....	15	216	274,564	14,826	761,123	1,347,227
Brockville.....	36	1,849	3,127,586	295,075	18,333,621	28,277,242
Burlington.....	7	312	561,950	64,262	2,613,433	3,846,052
Caledonia.....	10	381	579,070	186,491	2,609,649	4,734,720

12. -Statistics of Manufactures of Municipalities, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1947 continued

Province and Municipality	Establishments	Employees	Salaries	Cost of	Cost	Gross
			and Wages	Fuel and Electricity	of Materials	Value of Products
No.	No.	\$	\$	\$	\$	\$
Ontario—Continued—						
Campbellford.....	16	348	543,517	46,665	1,865,489	3,318,654
Carleton Place.....	10	883	1,419,254	98,654	1,870,960	4,564,193
Chatham.....	67	3,255	6,342,438	630,017	35,270,902	47,877,367
Chesley.....	12	339	524,629	29,459	1,250,987	2,243,763
Clinton.....	11	121	152,710	10,731	633,350	1,043,648
Cobourg.....	32	794	1,253,908	144,972	3,102,450	5,865,554
Collingwood.....	17	1,062	1,757,709	86,871	3,571,443	5,928,127
Cornwall.....	47	6,254	11,454,016	2,237,834	17,280,881	43,719,340
Dresden.....	11	182	282,643	21,383	715,440	1,405,803
Dryden.....	14	638	1,185,235	201,386	2,521,155	5,642,819
Dundas.....	33	2,011	3,308,407	223,448	3,720,871	10,561,297
Dumville.....	22	972	1,362,063	81,097	4,385,408	6,798,760
Durham.....	13	275	444,204	39,452	898,591	1,689,060
Eastview.....	11	270	476,887	49,360	3,111,768	4,206,598
Elmira.....	20	840	1,500,078	103,663	3,255,865	7,218,853
Elora.....	9	376	616,105	27,134	887,068	1,737,390
Essex.....	14	398	515,612	63,719	1,594,177	2,704,769
Forest.....	12	222	263,199	33,770	813,324	1,289,953
Fort Erie.....	18	528	1,293,332	56,221	2,119,951	4,145,912
Fort William.....	71	3,945	8,905,551	1,972,515	23,499,188	46,231,785
Galt.....	82	6,392	10,878,841	557,317	16,504,031	35,969,271
Gananoque.....	17	830	1,457,509	147,745	2,676,195	5,084,155
Georgetown.....	20	1,107	2,132,261	207,911	4,041,737	7,935,834
Goderich.....	19	606	1,003,216	232,347	7,563,887	10,528,574
Gravenhurst.....	9	503	736,309	19,142	1,181,149	2,757,603
Grimsby.....	20	604	893,481	57,278	1,788,522	3,980,418
Guelph.....	101	6,131	11,186,173	676,769	21,493,514	42,572,866
Hagersville.....	5	106	223,306	56,793	1,016,329	2,182,772
Hamilton.....	512	50,567	101,424,109	14,456,482	205,430,175	411,817,530
Hanover.....	16	1,037	1,536,091	50,786	2,907,647	5,102,707
Harriston.....	15	211	289,338	34,866	638,905	1,125,093
Harrow.....	6	89	142,430	19,410	869,139	1,226,726
Hespeler.....	17	2,083	3,146,910	202,476	6,834,825	12,284,629
Humberstone.....	11	805	1,372,871	74,658	9,432,742	12,166,996
Huntsville.....	18	498	802,364	55,334	4,012,197	6,325,879
Ingersoll.....	23	1,373	2,312,139	172,291	6,565,711	11,195,352
Kincardine.....	14	541	725,184	47,875	1,482,344	2,528,280
Kingston.....	52	5,345	10,043,256	1,002,974	17,469,294	40,881,799
Kingsville.....	12	279	463,413	32,755	6,464,768	7,483,549
Kitchener.....	183	15,327	29,082,566	1,397,540	67,003,113	128,467,162
Leamington.....	14	1,379	2,093,011	238,875	13,658,094	25,630,971
Leaside.....	47	7,343	14,904,326	769,351	36,747,983	70,056,556
Lindsay.....	38	1,026	1,361,291	174,886	3,588,453	6,351,981
Listowel.....	17	565	859,599	64,661	2,095,249	4,003,965
London.....	272	15,049	27,119,997	1,461,167	52,550,906	114,111,065
Long Branch.....	30	1,063	1,987,136	97,040	3,641,391	7,507,399
Lucknow.....	11	169	239,605	26,017	1,347,843	1,972,643
Meadford.....	17	412	598,977	40,755	1,058,958	1,971,251
Merritton.....	17	1,870	4,114,039	653,325	9,589,715	17,880,568
Midland.....	19	764	1,235,901	66,392	4,621,107	6,735,405
Milton.....	11	520	973,879	236,399	1,480,598	4,252,367
Milverton.....	10	187	297,872	19,123	833,957	1,340,167
Mimico.....	22	361	623,095	73,244	1,015,755	2,434,824
Mount Forest.....	15	317	420,064	19,754	906,223	1,548,449
Napanee.....	15	395	624,284	88,274	1,040,055	2,332,950
New Hamburg.....	12	314	307,068	26,563	1,298,005	2,312,217
New Liskeard.....	17	653	1,058,856	39,130	1,656,845	3,374,174
Newmarket.....	16	996	1,857,071	110,958	6,219,359	9,689,829
New Toronto.....	31	7,192	16,869,079	1,379,566	52,402,721	97,817,265
Niagara Falls.....	70	6,491	13,748,646	4,363,407	23,696,006	61,378,301
North Bay.....	23	523	938,248	83,487	2,112,365	3,963,247
Norwich.....	7	102	122,692	20,689	1,368,217	1,946,668
Oakville.....	36	1,149	1,981,754	126,990	3,875,693	7,519,166
Ojibway.....	3	300	652,387	87,662	1,780,005	3,020,388
Orangeville.....	14	230	291,433	28,606	1,206,054	1,877,565
Orillia.....	43	2,087	3,280,110	269,327	3,821,788	11,162,219
Ottawa.....	211	9,696	17,652,236	1,327,241	28,904,342	64,603,115
Owen Sound.....	50	3,135	5,272,864	270,471	6,872,436	14,818,126
Palmerston.....	10	61	81,856	7,337	997,495	1,188,077
Paris.....	22	1,397	2,108,349	107,133	4,433,453	8,985,445
Pembroke.....	35	1,231	1,682,305	87,323	3,473,468	6,445,981
Penetanguishene.....	11	388	592,489	30,750	661,255	1,073,567
Perth.....	20	896	1,432,381	84,972	2,876,321	6,225,143
Peterborough.....	98	10,257	20,626,046	1,035,202	57,192,513	92,057,038

12.—Statistics of Manufactures of Municipalities, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1947 continued

Province and Municipality	Establishments	Employees	Salaries	Cost of	Cost	Gross
			and Wages	Fuel and Electricity	of Materials	Value of Products
	No.	No.	\$	\$	\$	\$
Ontario—Concluded—						
Picton.....	19	221	230,114	21,582	664,482	1,230,931
Port Arthur.....	44	2,270	5,233,856	1,235,764	9,035,418	21,669,952
Port Colborne.....	20	2,746	6,106,220	2,201,119	95,983,482	120,273,552
Port Elgin.....	8	226	433,703	12,090	663,276	1,208,498
Port Hope.....	21	1,067	2,050,848	156,371	2,749,575	7,154,167
Prescott.....	20	588	806,897	25,518	1,106,175	2,703,701
Preston.....	37	2,645	4,546,794	197,218	6,997,344	14,796,066
Renfrew.....	26	1,109	1,834,972	145,423	3,539,394	6,613,326
Ridgetown.....	10	220	308,202	12,723	559,249	1,239,655
St. Catharines.....	102	10,216	20,569,798	1,157,613	32,002,162	67,533,964
St. Marys.....	16	650	1,084,669	788,765	4,028,562	7,600,891
St. Thomas.....	45	1,923	3,227,475	197,707	5,899,523	11,513,130
Sarnia.....	45	6,951	15,194,994	6,261,031	63,859,887	106,393,205
Sault Ste Marie.....	51	6,444	15,196,788	4,875,767	41,359,437	76,211,858
Seaford.....	14	302	465,373	28,535	2,802,776	3,896,926
Simcoe.....	29	1,559	2,580,833	177,425	12,009,367	18,660,578
Southampton.....	9	347	620,515	26,481	883,015	1,757,901
Stratford.....	62	3,781	6,910,437	301,568	11,586,733	21,205,522
Stratroy.....	23	544	725,961	40,365	2,285,392	3,485,922
Streetsville.....	12	206	350,125	79,374	2,847,191	3,620,045
Sudbury.....	45	908	1,524,095	123,591	4,316,312	7,539,529
Swansea.....	8	824	1,547,974	192,360	2,769,539	4,904,015
Tavistock.....	11	177	221,975	24,324	2,137,607	2,585,082
Thorold.....	20	2,282	6,105,204	2,581,592	13,465,068	28,763,140
Tilbury.....	11	411	703,331	115,536	995,036	2,327,195
Tillsonburg.....	23	723	1,190,252	148,069	7,180,282	9,876,121
Timmins.....	29	523	869,438	63,082	1,686,823	3,408,006
Toronto.....	3,705	151,137	289,363,797	14,184,874	648,648,084	1,231,936,820
Trenton.....	25	1,605	2,355,918	369,914	8,033,131	13,965,342
Walkerton.....	17	499	758,681	25,396	1,034,118	2,210,017
Wallaceburg.....	25	2,604	4,714,068	672,552	7,420,187	15,657,246
Waterford.....	8	131	156,639	12,102	746,755	1,096,619
Waterloo.....	53	3,028	5,476,469	297,724	10,391,530	25,887,825
Welland.....	57	8,355	18,469,640	4,192,392	32,199,105	76,468,092
Wellington.....	9	167	213,394	50,626	967,645	1,676,701
West Lorne.....	8	166	229,482	16,184	610,412	1,154,555
Weston.....	15	1,122	2,516,664	264,329	5,116,923	13,104,033
Whitby.....	11	487	636,936	39,406	1,388,016	2,671,088
Winchester.....	6	54	70,596	20,258	882,413	1,131,421
Windsor.....	273	32,154	74,748,834	4,553,594	204,383,024	367,122,739
Wingham.....	14	395	653,386	39,108	2,320,195	3,438,260
Woodstock.....	69	3,550	5,856,230	357,399	14,290,667	25,260,757
Manitoba—						
Brandon.....	30	759	1,131,898	134,881	6,950,219	9,475,212
Morden.....	8	129	252,871	40,135	757,868	1,225,907
Neepawa.....	8	118	196,548	109,084	580,915	1,130,098
Portage la Prairie.....	13	205	243,202	21,621	1,145,989	1,577,202
St. Boniface.....	62	3,405	6,902,056	588,310	55,817,167	72,039,736
Selkirk.....	8	750	1,562,418	424,420	1,330,347	4,322,233
The Pas.....	9	162	275,013	5,582	323,577	1,190,140
Winkler.....	5	60	71,127	14,249	1,118,025	1,310,975
Winnipeg.....	779	27,651	47,728,392	2,827,768	130,721,062	228,023,346
Saskatchewan—						
North Battleford.....	9	136	203,963	25,547	999,840	1,432,550
Melville.....	10	79	143,223	29,087	2,207,064	2,687,265
Moose Jaw.....	42	1,602	3,134,276	521,236	31,547,929	37,619,646
Prince Albert.....	33	989	1,670,839	149,221	8,774,646	12,926,610
Regina.....	111	2,774	5,147,455	1,036,100	27,405,537	39,610,959
Saskatoon.....	95	2,580	4,697,288	525,542	33,816,920	45,424,066
Swift Current.....	13	407	702,383	50,394	4,078,154	6,607,389
Weyburn.....	9	81	118,420	24,140	1,307,029	1,561,640
Yorkton.....	13	170	266,176	42,795	1,513,508	2,042,837
Alberta—						
Athabasca.....	16	117	135,567	14,410	768,534	1,099,279
Calgary.....	246	7,790	14,784,768	1,989,225	77,812,011	111,649,533
Camrose.....	9	66	117,019	17,684	907,995	1,264,986
Edmonton.....	222	7,625	14,027,657	808,652	61,191,274	88,995,858
Grande Prairie.....	17	246	374,698	32,763	1,324,929	2,212,144
Lethbridge.....	37	893	1,484,440	119,226	5,657,449	10,111,907
Medicine Hat.....	27	1,049	1,808,042	126,477	14,285,234	18,733,357
Red Deer.....	14	121	192,836	39,506	1,561,202	2,064,290
Wetaskiwin.....	8	85	118,397	16,165	918,935	1,209,358

12.—Statistics of Manufactures of Municipalities, each with a Gross Production of \$1,000,000 or Over, and with Three or More Establishments, 1947—concluded

Province and Municipality	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
British Columbia—						
Alberni.....	9	118	229,015	11,242	396,058	1,045,591
Chilliwack.....	18	189	289,343	17,627	1,168,641	1,774,550
Cranbrook.....	22	309	634,431	47,437	973,798	2,001,520
Duncan.....	22	193	323,419	25,327	662,908	1,330,063
Kamloops.....	28	382	571,342	34,683	883,744	1,981,181
Kelowna.....	28	645	1,055,013	67,065	2,731,328	5,121,425
Mission.....	21	420	643,025	53,073	3,550,204	5,395,451
Nanaimo.....	30	543	1,011,226	66,280	2,066,534	4,348,662
Nelson.....	33	518	888,321	59,323	2,063,582	3,890,707
New Westminster.....	100	6,112	12,261,932	796,579	33,041,690	67,242,286
North Vancouver.....	41	3,233	7,568,021	325,480	7,582,614	27,317,941
Penticton.....	11	148	244,450	10,290	508,655	1,063,831
Port Alberni.....	17	1,326	3,066,913	71,638	6,141,041	15,422,967
Port Moody.....	5	357	798,084	3,666	2,076,650	4,115,575
Prince George.....	79	739	1,200,222	117,994	2,731,824	5,221,314
Prince Rupert.....	25	635	1,261,659	72,877	3,718,541	6,623,242
Vancouver.....	1,127	33,119	65,363,332	3,589,022	174,822,180	313,964,785
Vernon.....	32	383	658,028	65,805	1,595,115	2,781,558
Victoria.....	185	4,782	9,600,786	551,102	14,894,911	33,969,783

13.—Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1947

County	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Prince Edward Island—						
Kings.....	72	451	348,225	41,857	1,195,607	1,875,242
Prince.....	96	631	590,234	54,400	3,604,010	4,775,306
Queens.....	92	824	1,000,008	97,509	3,810,715	6,002,903
Totals.....	260	1,906	1,938,467	193,766	8,610,332	12,653,451
Nova Scotia—						
Annapolis.....	47	651	822,899	84,767	2,949,595	4,760,856
Antigonish.....	23	147	168,277	18,824	508,048	884,024
Cape Breton N.....	22	392	528,487	36,845	1,576,983	2,826,154
Cape Breton S.....	84	5,789	9,059,059	2,875,211	19,049,761	36,799,474
Colchester.....	105	2,340	2,772,794	201,040	7,017,251	12,807,890
Cumberland.....	102	1,736	2,533,932	308,436	5,370,253	9,926,466
Digby.....	103	1,024	1,092,583	76,855	2,998,909	5,075,269
Guy'sborough.....	48	419	339,282	28,928	1,133,851	1,747,373
Halifax.....	223	7,562	13,446,939	1,795,865	35,047,074	63,025,474
Hants.....	66	1,071	1,350,316	204,490	4,011,969	7,303,705
Inverness.....	65	308	183,495	15,536	547,347	872,821
Kings.....	84	1,051	1,195,456	200,585	3,821,180	6,422,149
Lunenburg.....	158	1,762	2,248,767	142,580	5,123,916	9,682,392
Pictou.....	112	2,570	4,214,465	600,325	8,172,484	15,513,682
Queens.....	28	1,262	2,795,603	1,101,353	4,360,913	12,051,002
Richmond.....	23	55	19,173	1,640	62,669	105,756
Shelburne.....	65	636	811,907	77,398	2,919,886	4,466,886
Victoria.....	34	131	79,936	7,221	263,219	423,240
Yarmouth.....	88	1,379	1,673,666	156,796	6,418,913	9,494,820
Totals.....	1,480	30,285	46,113,036	7,929,695	111,354,221	201,219,433

New Brunswick—

Albert.....	27	262	378,435	64,953	1,524,255	2,673,266
Carleton.....	58	630	779,799	58,672	2,219,023	3,688,381
Charlotte.....	71	2,371	3,387,108	344,075	9,410,381	16,717,403
Gloucester.....	100	1,843	3,117,660	1,180,625	7,159,417	14,519,078
Kent.....	63	501	364,441	22,607	1,319,995	2,008,001
Kings.....	62	550	669,415	45,817	2,759,974	4,438,761
Madawaska.....	56	1,097	2,324,244	943,423	6,892,309	15,052,087
Northumberland.....	77	822	927,201	42,712	2,908,263	4,606,264
Queens.....	34	324	467,013	115,082	1,172,650	2,174,097
Restigouche.....	57	2,117	4,359,861	2,795,764	12,424,621	25,399,014
St. John.....	148	6,310	11,481,748	1,876,394	45,495,162	73,827,222

13.—Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1947—continued

County	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
New Brunswick—Concluded						
Sunbury.....	8	68	58,395	2,088	182,165	323,085
Victoria.....	37	364	521,153	28,143	1,685,087	2,827,127
Westmorland.....	172	5,033	8,165,721	658,020	15,122,533	28,860,365
York.....	91	1,889	2,581,199	208,636	6,215,608	11,173,286
Totals.....	1,061	24,181	39,583,393	8,387,011	116,491,443	208,366,438
Quebec—						
Abitibi.....	175	1,239	1,687,033	111,445	5,112,735	8,279,140
Argenteuil.....	79	2,848	4,459,971	339,150	9,246,802	18,577,972
Arthabaska.....	144	3,477	4,882,022	294,156	13,367,053	22,343,003
Bagot.....	74	1,249	1,662,352	126,969	6,193,308	8,892,334
Beauce.....	181	2,236	2,474,434	193,615	6,575,984	11,065,927
Beauharnois.....	75	5,700	9,021,011	1,732,260	15,191,325	35,593,713
Bellechasse.....	91	348	322,030	40,363	2,085,256	2,732,175
Berthier.....	115	1,510	1,673,458	185,374	4,017,580	7,310,770
Bonaventure.....	106	640	609,527	35,156	1,805,015	2,786,263
Brome.....	39	447	475,364	56,211	1,699,346	2,533,747
Champlain.....	86	2,629	4,247,519	280,321	5,842,166	12,843,163
Champlain.....	20	1,064	870	2,166,080	27,181,203	32,965,395
Charlevoix East.....	49	561	1,030,560	703,877	2,082,506	5,610,892
Charlevoix West.....	36	99	89,897	6,830	325,420	468,366
Chateauguay.....	39	423	607,252	63,940	2,490,737	3,873,928
Chicoutimi.....	170	9,074	19,987,455	10,594,710	51,288,342	128,014,453
Compton.....	81	1,77	31,612	5,671	7,241,800	12,681,152
Deux Montagnes.....	44	233	266,232	34,122	1,291,631	1,857,368
Dorchester.....	106	608	738,013	78,708	3,506,385	4,938,334
Drummond.....	96	8,552	12,870,660	1,448,611	16,708,325	43,090,108
Frontenac.....	104	1,201	889	53,751	2,748,222	4,582,25
Gaspé East.....	120	1,303	1,756,494	424,015	4,850,833	9,529,300
Gaspé West.....	33	409	548,120	2,482	1,466,679	2,608,227
Gatineau.....	70	301	355,637	24,954	1,547,840	2,406,489
Hull.....	78	5,11	1,31,78	4,51,802	30,198,121	60,924,155
Huntingdon.....	33	663	1,201,755	101,932	4,418,831	6,968,605
Iberville.....	34	501	697,757	78,123	2,374,335	3,955,867
Jesus-Island.....	39	475	529,151	34,210	944,529	1,822,711
Joliette.....	1,1	2,222	1,17,548	150,527	9,136,971	16,15,023
Kamouraska.....	83	575	519,581	56,209	2,15,797	3,183,860
Labelle.....	85	11	1,51,350	31,591	2,728,17	4,758,279
Lac St. Jean East.....	71	1,433	1,320,512	2,343,336	11,270,005	25,46,364
Lac St. Jean West.....	177	1,211	2,291,708	1,651,470	8,649,879	17,008,336
Laprairie.....	31	9661	1,575,617	649,541	2,997,220	6,860,656
L'Assomption.....	64	9141	1,161,821	73,137	2,547,284	4,527,772
Levis.....	84	4,101	7,131,518	266,563	11,494,225	21,047,139
L'Islet.....	95	662	813,596	52,192	1,931,091	3,909,022
Lotbiniere.....	10	538	581,732	87,441	3,255,401	4,512,507
Madeline Islands.....	2	118	26,189	25,394	1,112,260	1,645,282
Maskinonge.....	80	1,329	1,655,054	187,405	4,326,317	8,099,415
Matane.....	75	868	1,318,119	43,981	3,577,384	6,762,892
Matapedia.....	76	610	841,497	25,983	3,494,413	5,016,407
Mégantic.....	106	1,688	2,255,165	152,329	4,322,148	7,859,055
Missisquoi.....	68	3,122	4,722,705	396,966	9,995,920	21,272,823
Montcalm.....	7	439	157,821	24,672	2,212,390	3,058,206
Montmagny.....	89	1,859	2,000,590	145,640	5,505,739	11,603,354
Montmorency No. 1.....	46	680	1,468,282	1,043,892	4,093,376	10,254,021
Montmorency No. 2 (Ile d'Orléans).....	16	78	105,033	7,601	261,603	446,469
Montreal.....	4,216	203,692	379,807,978	27,059,513	\$81,171,520	1,617,570,906
Napierville.....	28	544	637,200	71,012	2,659,707	4,137,159
Nicolet.....	121	942	1,055,920	79,059	4,325,438	6,410,727
Papineau.....	95	1,539	2,946,881	75,052	7,077,942	15,503,532
Pontiac.....	49	393	498,826	26,895	2,204,099	3,253,493
Portneuf.....	164	2,473	4,626,483	2,055,569	11,639,964	24,741,335
Québec.....	509	17,488	25,379,181	3,035,126	67,591,618	122,396,166
Richelieu.....	76	4,569	9,421,929	699,651	10,763,750	23,282,145
Richmond.....	75	2,800	5,004,648	1,113,730	13,357,031	24,958,526
Rimouski.....	141	1,230	1,761,744	75,178	5,429,289	9,002,460
Rivière-du-Loup.....	110	991	1,411,312	129,150	4,383,595	7,182,633
Rouville.....	81	1,173	1,350,620	140,413	5,038,916	8,103,733
Saguenay.....	60	1,021	2,691,411	308,201	10,410,576	18,994,407
Shofford.....	134	6,605	9,671,666	605,910	24,989,442	49,203,343
Sherbrooke.....	119	9,016	14,913,094	1,054,569	26,605,307	56,436,972
Soulanges.....	25	76	75,555	24,388	652,198	844,575

13.—Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1947—continued

County	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Quebec—Concluded						
Stanstead.....	98	5,017	7,475,402	810,274	33,186,413	42,120,889
St. Hyacinthe.....	138	5,667	7,676,107	503,317	21,710,658	35,169,000
St. Jean.....	77	5,266	8,893,830	644,816	13,599,164	31,437,501
St. Maurice.....	182	12,639	25,849,552	10,869,051	61,814,094	137,844,639
Témiscamingue.....	99	1,971	4,229,492	2,148,842	28,384,941	40,688,260
Témiscouata.....	89	812	1,043,096	37,053	3,418,850	5,279,189
Terrebonne.....	181	6,820	10,352,101	714,900	18,783,630	40,901,468
Vaudreuil.....	43	258	282,811	29,616	1,020,190	1,682,630
Verchères.....	66	1,106	1,654,108	254,068	6,499,857	11,628,739
Wolfe.....	78	540	639,497	144,067	1,800,460	2,782,782
Yamaska.....	64	335	362,726	81,784	2,669,845	3,676,340
Totals.....	11,223	379,449	662,837,614	91,595,892	1,601,055,840	3,017,049,422
Ontario—						
Addington.....	32	190	221,570	23,367	1,174,091	1,607,757
Algoma.....	101	6,934	15,921,477	4,909,447	43,646,255	79,759,850
Brant.....	183	15,339	27,978,723	1,450,407	53,408,985	99,842,962
Bruce.....	153	2,673	3,983,160	246,494	10,948,013	17,675,311
Carleton.....	301	10,765	19,292,989	1,503,248	34,827,221	74,442,402
Cochrane.....	112	3,872	9,521,243	2,489,747	21,918,857	55,228,356
Dufferin.....	34	306	379,063	45,795	2,136,255	2,993,852
Dundas.....	50	595	917,243	153,074	5,546,643	8,120,975
Durham.....	74	2,411	4,621,334	354,739	8,663,452	19,541,155
Elgin.....	99	2,698	4,327,633	361,413	19,519,779	28,287,481
Essex.....	377	35,899	80,840,757	6,339,639	233,765,875	420,526,936
Frontenac.....	102	5,520	10,209,797	1,056,243	19,255,625	43,066,363
Glengarry.....	81	394	365,399	65,012	2,770,899	3,494,964
Grenville.....	60	1,455	2,342,436	616,843	11,267,134	16,489,838
Grey.....	189	5,321	8,379,305	451,783	15,576,662	28,628,677
Haldimand.....	58	1,591	2,344,161	367,162	9,578,429	15,712,117
Haliburton.....	33	337	431,318	9,567	850,975	1,658,207
Halton.....	111	4,466	7,896,996	894,189	22,274,267	39,604,172
Hastings.....	229	6,132	9,455,606	1,567,275	23,946,071	48,501,891
Huron.....	140	1,842	2,758,828	408,128	17,964,439	24,790,933
Kenora.....	59	2,001	4,199,147	1,156,166	25,481,444	37,593,783
Kent.....	172	6,932	12,681,413	1,515,014	46,469,736	70,703,317
Lambton.....	126	7,861	16,582,578	6,808,637	72,144,100	117,680,587
Lanark.....	115	3,994	6,257,593	401,098	11,604,404	22,627,055
Leeds.....	130	2,900	4,761,149	454,781	22,971,444	35,755,332
Lennox.....	41	625	965,643	276,123	2,597,182	4,926,028
Lincoln.....	197	13,906	27,365,107	2,001,953	48,101,094	98,870,086
Manitoulin.....	27	95	78,629	15,004	540,482	727,523
Middlesex.....	373	16,720	29,659,957	1,701,807	62,945,788	129,348,239
Muskoka.....	74	1,490	2,067,896	119,777	5,983,832	10,743,699
Nipissing.....	72	1,433	2,377,743	197,340	5,076,342	9,563,438
Norfolk.....	81	2,184	3,461,370	276,014	28,700,539	38,079,996
Northumberland.....	131	1,664	2,356,394	245,634	7,990,956	13,495,493
Ontario.....	138	9,781	22,008,705	1,138,117	74,458,584	120,234,019
Oxford.....	193	6,501	10,665,646	1,128,257	37,932,536	60,939,777
Parry Sound.....	81	1,021	1,477,522	159,547	3,847,954	8,196,089
Peel.....	95	4,319	8,741,644	1,500,806	24,336,653	45,883,430
Perth.....	171	5,616	9,718,810	1,306,106	25,037,200	42,192,575
Peterborough.....	144	10,507	20,908,035	1,093,525	58,873,556	94,631,830
Prescott.....	107	1,075	2,044,866	882,555	7,125,957	11,838,928
Prince Edward.....	73	891	928,171	137,383	4,099,840	6,923,721
Rainy River.....	45	1,257	3,134,390	590,997	6,254,743	15,075,299
Renfrew.....	194	3,950	5,930,222	486,206	13,031,498	23,817,663
Russell.....	80	277	250,004	45,460	1,990,590	2,488,085
Simcoe.....	201	5,586	8,739,939	620,704	22,429,083	40,473,904
Stormont.....	84	6,621	12,073,151	2,409,568	20,863,550	48,762,086
Sudbury.....	133	7,892	17,406,441	9,863,656	75,419,734	136,316,659
Thunder Bay.....	189	7,584	17,130,054	4,363,678	42,134,082	85,479,486
Timiskaming.....	102	1,358	2,097,559	116,939	4,180,574	7,905,642
Victoria.....	83	1,421	1,897,007	228,054	5,412,740	9,060,625
Waterloo.....	480	31,330	55,993,405	2,923,230	119,193,439	235,967,966
Welland.....	260	22,767	50,468,202	14,493,709	183,462,200	323,994,600
Wellington.....	212	8,331	14,764,298	971,524	31,835,352	58,137,272
Wentworth.....	591	53,243	105,746,790	14,883,026	212,437,400	428,352,731
York.....	4,077	175,628	340,712,515	17,832,627	777,492,201	1,476,310,888
District of Patricia.....	10	80	125,711	22,376	173,837	400,476
Totals.....	11,860	537,581	1,037,976,714	115,760,769	2,651,697,573	4,903,472,526

13.—Principal Statistics of the Manufacturing Industries of Canada, by Counties and Census Divisions, 1947—concluded

Census Division	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
Manitoba—	No.	No.	\$	\$	\$	\$
Division No. 1.....	65	271	246,449	49,502	1,759,383	2,349,432
Division No. 2.....	43	341	504,553	92,536	3,471,574	4,632,211
Division No. 3.....	26	120	139,847	20,862	1,248,608	1,539,967
Division No. 4.....	10	42	48,313	10,541	353,329	518,005
Division No. 5.....	51	3,071	6,475,247	1,043,570	14,238,047	26,149,008
Division No. 6.....	882	31,758	55,730,505	4,336,607	189,581,446	307,352,670
Division No. 7.....	56	832	1,212,274	154,282	7,676,194	10,439,166
Division No. 8.....	15	97	104,930	15,075	1,306,550	1,676,145
Division No. 9.....	24	186	2,585,677	505,911	2,595,445	6,890,614
Division No. 10.....	22	165	235,587	114,077	1,007,254	1,680,168
Division No. 11.....	21	74	84,890	15,547	923,969	1,139,879
Division No. 12.....	42	127	98,778	26,377	1,227,310	1,507,852
Division No. 13.....	37	181	191,013	25,341	1,176,038	1,597,174
Division No. 14.....	42	171	162,408	16,261	1,305,097	1,758,794
Division No. 15.....	20	61	47,756	11,088	568,645	733,331
Division No. 16.....	57	569	907,026	202,832	8,497,454	13,185,865
Totals.....	1,413	39,378	68,972,653	6,820,417	236,936,343	383,130,281
Saskatchewan—						
Division No. 1.....	22	104	286,782	45,828	1,016,065	1,629,709
Division No. 2.....	16	98	132,163	27,244	1,356,290	1,639,549
Division No. 3.....	10	40	42,175	3,864	110,499	174,119
Division No. 4.....	12	68	89,219	15,058	561,440	726,521
Division No. 5.....	34	183	246,731	47,209	3,182,919	3,890,406
Division No. 6.....	127	2,805	5,176,168	1,040,932	27,565,817	39,825,328
Division No. 7.....	47	1,613	3,143,561	522,128	31,551,026	37,637,256
Division No. 8.....	21	428	725,057	52,842	4,096,092	6,661,141
Division No. 9.....	70	481	568,847	83,495	3,313,797	4,659,237
Division No. 10.....	17	88	109,412	22,147	1,415,448	1,769,362
Division No. 11.....	110	2,649	4,791,946	551,510	34,738,053	46,556,359
Division No. 12.....	18	72	19,788	3,743	1,514,444	1,800,935
Division No. 13.....	14	59	68,181	16,243	596,620	742,140
Division No. 14.....	219	764	769,528	88,233	2,525,104	4,534,077
Division No. 15.....	98	1,194	1,844,780	213,087	10,491,851	15,134,668
Division No. 16.....	75	338	340,745	48,199	2,138,564	2,931,869
Division No. 17.....	64	646	1,163,551	707,266	25,267,143	26,031,481
Division No. 18.....	2	5	4,241	150	6,909	17,642
Unlocated sawmills.....						
Totals.....	1,001	11,723	19,661,970	3,522,658	151,449,021	196,452,199
Alberta—						
Division No. 1.....	33	1,127	1,914,557	134,333	14,772,533	19,759,550
Division No. 2.....	86	1,587	2,542,210	266,805	9,971,229	17,299,817
Division No. 3.....	11	632	1,080,353	76,326	1,781,952	3,909,288
Division No. 4.....	22	457	75,377	8,556	5,635,526	8,780,237
Division No. 5.....	10	33	33,580	5,918	266,566	349,225
Division No. 6.....	317	8,211	15,453,027	2,382,882	79,557,257	115,335,498
Division No. 7.....	27	137	199,205	45,515	2,270,754	2,977,247
Division No. 8.....	76	513	743,803	127,454	6,329,657	8,160,951
Division No. 9.....	89	518	620,402	61,523	2,572,557	3,942,394
Division No. 10.....	34	187	252,901	61,412	3,170,488	4,025,115
Division No. 11.....	283	8,053	14,018,013	839,259	65,282,808	94,421,356
Division No. 12.....	132	976	1,213,439	108,130	3,474,216	6,076,707
Division No. 13.....	37	121	96,813	18,782	1,011,351	1,275,075
Division No. 14.....	79	435	524,201	51,470	3,081,670	4,408,477
Division No. 15.....	66	463	566,967	48,563	1,120,808	2,265,063
Division No. 16.....	74	481	584,437	58,822	1,666,787	2,974,502
Division No. 17.....	6	20	26,398	3,497	59,874	113,607
Totals.....	1,382	22,541	11,236,151	1,440,268	202,324,036	296,051,129
British Columbia—						
Division No. 1.....	96	1,057	1,877,188	171,040	3,474,981	7,438,069
Division No. 2.....	121	71	11,770,240	3,084,440	76,935,015	113,063,967
Division No. 3.....	217	1	1,924,833	363,708	8,720,860	17,138,734
Division No. 4.....	1,601	52,000	104,143,810	7,281,103	274,430,258	513,460,571
Division No. 5.....	436	12,608	25,506,675	2,509,053	45,122,858	109,082,187
Division No. 6.....	140	1,400	8,647,568	135,146	3,901,390	8,286,871
Division No. 7.....	35	3,246	8,647,568	1,957,968	26,190,063	57,383,221
Division No. 8.....	309	2,310	3,459,549	263,710	6,172,038	13,374,988
Division No. 9.....	59	1,437	2,700,538	180,904	7,878,350	15,702,764
Division No. 10.....	29	202	347,224	23,963	843,994	1,352,954
Totals.....	3,040	83,161	167,282,667	15,911,737	453,670,677	858,284,592
Totals, Yukon and Northwest Territories.....	11	145	313,281	128,545	630,533	1,341,109

APPENDIX I

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1917

GREATER MONTREAL

Industry	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Foods and Beverages—						
Bakery Products—						
Biscuits.....	7	1,218	1,550,789	111,671	5,250,886	9,513,495
Bread and other bakery products.....	163	4,706	7,704,690	725,082	12,692,895	26,588,621
Beverages—						
Breweries ¹	7	3,149	7,123,285	579,916	7,388,508	29,108,040
Carbonated beverages.....	29	1,100	2,050,695	168,815	4,466,518	13,697,257
Distilleries.....	4	1,078	2,075,073	445,587	9,822,402	17,415,730
Head Offices—Distilleries ¹¹	-	188	653,991	-	-	-
Canning and Preserving—						
Fruit and vegetable preparations.....	37	1,001	1,340,178	124,561	6,447,377	9,928,292
All other industries.....	1	3	6,267	-	18,810	33,683
Dairy Products—						
Butter and cheese.....	7	1,153	2,424,511	211,728	6,563,354	10,864,675
Processed cheese.....	4	306	473,238	27,656	4,686,039	8,555,651
Other dairy products.....	7	109	172,877	31,188	774,276	1,455,175
Meat Products—						
Sausage and sausage casings.....	20	201	268,323	34,579	1,180,028	1,719,932
Slaughtering and meatpacking.....	21	2,466	5,013,316	477,968	51,581,246	61,295,778
Miscellaneous Foods—						
Feed and chopping mills.....	3	24	30,267	4,403	343,347	394,447
Prepared stock and poultry feed.....	13	577	1,152,780	90,535	22,144,036	26,666,282
Confectionery, cocoa, etc.....	42	2,006	2,712,978	196,476	10,499,391	19,731,432
Macaroni, spaghetti, etc.....	4	406	653,367	63,922	2,199,118	3,502,519
Malt and malt products.....	4	122	256,059	129,217	2,298,327	3,104,321
Miscellaneous foods.....	65	1,449	2,534,970	244,053	23,269,855	33,285,180
All other industries ²	6	1,539	3,513,590	960,781	48,823,669	57,262,578
Other head offices ¹¹	-	113	405,407	-	-	-
Totals.....	444	22,914	42,121,951	4,628,138	220,450,082	334,063,088
Tobacco and Tobacco Products.....	35	6,322	10,051,097	173,257	33,761,719	63,157,894
Rubber Products.....	7	2,212	4,177,123	275,954	6,015,897	12,733,085
Leather Products—						
Beltling, leather.....	5	122	207,516	11,143	527,505	891,404
Boots and shoes.....	73	7,688	10,983,156	158,322	19,350,665	35,779,185
Boot and shoe findings.....	12	169	265,164	25,903	293,841	650,623
Gloves and mittens.....	25	1,005	1,300,969	12,312	2,293,434	4,320,383
Miscellaneous leather goods.....	96	2,010	2,698,601	41,540	3,799,021	7,954,554
Tanneries.....	6	228	384,589	33,769	1,398,422	2,027,426
Totals.....	227	11,222	15,840,085	282,989	27,662,888	51,623,575
Textile Products						
(Except Clothing)—						
Cotton Goods—						
Batting and wadding.....	3	113	221,769	26,925	732,138	1,308,767
Cotton and wool waste.....	9	180	250,461	22,341	1,139,846	1,604,968
Cotton thread.....	4	717	1,020,338	50,737	3,059,999	5,386,810
Cotton yarn and cloth.....	4	2,794	4,055,401	462,306	8,748,149	17,364,240
Miscellaneous cotton textiles.....	77	1,524	1,914,595	24,876	6,049,451	9,665,197
Head offices ¹¹	-	392	1,323,967	-	-	-
Woollen Goods—						
Woollen cloth.....	6	84	94,363	996	117,235	286,466
All other industries ³	4	119	257,358	16,901	549,145	1,071,543
Head offices ¹¹	-	19	110,132	-	-	-
Other Primary Textiles—						
Dyeing and finishing of textiles.....	21	510	986,384	124,883	272,803	1,945,997
Narrow fabrics, laces, etc.....	14	405	620,549	18,111	704,452	1,432,852
Miscellaneous Textiles—						
Awnings, tents and sails.....	16	311	486,683	12,121	1,307,146	1,754,606
Bags, cotton and jute.....	10	619	888,242	30,333	11,306,689	13,532,204
Miscellaneous textiles.....	7	1,165	2,675,351	231,039	6,780,503	12,350,990
All other industries ⁴	5	268	423,878	21,170	1,192,105	2,383,868
Other head offices ¹¹	-	381	1,471,657	-	-	-
Totals.....	180	9,601	16,801,128	1,042,739	41,959,661	70,088,508

For footnotes, see end of table, p. 111.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.
GREATER MONTREAL—Continued

Industry	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
Clothing (Textile and Fur)—	No.	No.	\$	\$	\$	\$
Men's, Women's, Children's—						
Clothing contractors, men's.....	89	1,985	3,111,947	26,175	356,937	4,099,259
Clothing contractors, women's.....	56	774	1,031,187	14,543	52,913	1,418,119
Clothing, men's factory.....	311	10,977	17,986,631	162,467	44,828,431	84,407,951
Clothing, women's factory.....	726	19,641	31,105,618	251,463	60,488,665	120,040,028
Head offices ¹¹	—	154	546,417	—	—	—
Miscellaneous Clothing—						
Hosiery and knit goods.....	53	2,695	3,512,499	83,129	6,616,302	12,622,759
Head offices, knit goods ¹¹	—	82	264,524	—	—	—
Corsets.....	11	425	569,510	4,216	907,236	2,004,821
Fur dressing and dyeing.....	9	745	1,322,035	62,384	463,799	2,667,006
Fur goods.....	244	2,491	4,975,195	60,765	16,997,171	25,895,060
Hats and caps.....	69	2,288	3,565,528	81,373	4,879,291	11,042,254
Oiled and waterproofed clothing.....	9	220	396,592	4,455	954,868	1,819,080
All other industries.....	1	10	25,746	443	33,301	68,609
Totals.....	1,578	42,487	68,113,429	751,413	136,578,914	266,084,946
Wood Products—						
Sawing and Planing Mills—						
Planing mills, sash and door factories.....	52	600	1,750,575	60,277	4,457,293	7,501,780
Saw mills.....	3	6	1,962	325	7,625	12,035
Furniture.....	172	1,274	7,460,620	228,349	12,871,770	25,828,788
Miscellaneous Wood Products—						
Boxes, baskets and crates.....	10	626	985,735	24,214	1,597,712	3,180,556
Cooperage.....	4	72	110,624	8,847	465,915	807,204
Lasts, trees, other wood shoe findings.....	7	206	591,202	21,203	491,002	1,284,216
Miscellaneous wood industries.....	57	—	58,282	1,115,033	2,475,198	—
Refrigerators, other than electric.....	3	83	147,999	5,950	143,771	388,546
Wood turning.....	4	31	42,030	2,011	30,891	97,062
All other industries ⁵	7	362	525,579	41,233	1,291,185	2,313,788
Totals.....	320	7,443	12,450,948	439,660	22,172,202	43,887,173
Paper Products—						
Boxes and bags.....	28	2,711	3,981,186	130,220	9,520,260	17,239,118
Miscellaneous paper products.....	39	906	1,396,450	49,496	4,432,067	7,390,894
Roofing paper.....	3	822	1,648,574	133,123	4,641,435	9,248,332
All other industries ⁶	4	365	839,760	235,442	1,734,178	3,860,389
Head offices ¹¹	—	871	3,403,147	—	—	—
Totals.....	74	5,681	11,272,117	548,290	20,337,940	37,738,733
Printing and Publishing and Allied Products—						
Blueprinting.....	5	98	170,647	4,328	94,265	430,238
Engraving, stereotyping and electrotyping.....	26	646	1,760,938	36,211	675,287	3,611,433
Lithographing.....	4	975	1,157,598	33,211	2,189,677	4,757,866
Printing and bookbinding.....	297	4,906	8,934,586	183,394	7,124,919	20,615,407
Printing and publishing.....	23	3,162	8,242,315	108,559	6,582,172	22,758,887
Trade composition.....	10	202	456,738	7,980	64,816	848,711
Totals.....	370	10,079	20,719,790	433,683	16,731,136	53,022,542
Iron and Steel Products—						
Boilers, tanks and platen work.....	9	1,133	2,706,601	109,216	3,431,108	7,738,507
Bridge and structural steel.....	6	2,956	5,768,845	303,712	7,998,581	15,821,443
Hardware, tools and cutlery.....	15	2,151	4,845,984	251,745	1,529,145	14,869,697
Heating and cooking apparatus.....	13	955	1,100,727	64,198	1,720,739	3,776,548
Iron castings.....	11	2,418	5,160,285	304,418	6,593,772	15,269,469
Machine shops.....	66	1,147	2,359,730	83,122	1,138,499	4,692,138
Machinery.....	34	4,299	9,181,007	382,994	9,758,335	21,626,106
Miscellaneous iron and steel products.....	49	709	1,191,151	46,863	981,590	2,654,769
Primary iron and steel.....	4	2,239	4,907,321	943,106	4,054,435	13,636,374
Sheet metal products.....	16	5,039	9,214,060	405,391	17,142,883	32,944,605
Wire and wire goods.....	19	1,421	2,861,147	271,727	3,160,258	11,500,399
Totals.....	300	24,478	50,360,187	3,232,759	60,506,365	144,599,355

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.
GREATER MONTREAL—Continued

Industry	Establishments	Employees	Salaries	Cost of	Cost of	Gross
			and Wages	Fuel and Electricity	Materials	Value of Products
	No.	No.	\$	\$	\$	\$
Transportation Equipment—						
Aircraft and aircraft supplies	5	6,774	15,320,174	493,205	13,287,604	35,500,827
Automobile supplies ¹⁰	13	539	889,226	41,472	3,147,245	4,688,434
Boatbuilding	3	10	11,843	453	9,672	20,354
Carriages, wagons and sleighs	3	35	66,462	2,166	43,886	127,140
Railway rolling-stock	9	13,152	28,587,787	1,806,582	33,569,091	75,512,406
Shipbuilding and repairs	5	3,211	7,770,296	285,861	9,478,888	18,735,202
All other industries	2	37	48,177	1,450	75,495	137,112
Totals	40	23,758	52,693,965	2,631,189	59,611,881	134,721,475
Non-ferrous Metal Products—						
Aluminum products	14	136	218,482	10,891	160,432	541,412
Brass and copper products	31	2,846	5,516,406	505,778	18,998,311	27,243,355
Jewellery and silverware	54	1,217	1,895,777	29,650	2,324,237	5,247,907
White metal alloys	16	376	838,909	57,375	7,559,632	10,033,225
All other industries	2	44	86,033	2,744	61,166	150,379
Totals	112	4,619	8,555,607	606,438	29,103,778	43,216,278
Electrical Apparatus and Supplies—						
	59	15,861	30,830,982	775,817	36,439,304	87,117,949
Non-Metallic Mineral Products—						
Cement products	27	726	1,354,458	236,804	2,245,258	5,255,507
Glass products	28	2,147	3,844,976	1,208,193	4,520,415	13,622,677
Miscellaneous non-metallic mineral products	11	156	301,568	35,893	719,673	1,613,387
Stone products	12	216	425,997	43,043	218,224	826,715
All other industries ⁷	9	925	2,027,078	2,417,207	2,830,058	11,518,160
Totals	87	4,170	7,954,077	3,941,140	10,533,628	32,836,446
Products of Petroleum and Coal⁸						
	7	2,395	5,634,714	5,822,081	63,348,985	91,125,838
Chemicals and Allied Products—						
Adhesives	7	142	316,654	15,384	944,033	1,503,409
Gases, compressed	8	265	561,498	67,436	319,094	2,297,517
Inks, printing and writing	9	112	180,505	10,658	366,416	872,007
Medicinal and pharmaceutical preparations	66	3,144	5,998,288	285,980	11,355,272	29,723,074
Miscellaneous chemical products	41	629	1,328,327	136,814	4,978,790	9,139,047
Paints and varnishes	31	2,354	4,473,006	212,329	14,617,230	26,464,660
Polishes and dressings	13	165	272,898	14,354	933,752	1,687,349
Soaps, washing and cleaning compounds	26	448	821,956	67,415	1,975,908	4,108,249
Toilet preparations	30	578	961,092	22,761	2,117,008	5,843,333
Vegetable oil mills	3	187	325,677	41,253	6,182,066	6,920,323
All other industries ⁹	8	289	631,103	142,380	5,889,236	7,934,782
Totals	242	8,313	15,871,004	1,016,764	49,678,805	96,493,750
Miscellaneous Manufacturing Industries—						
Artificial flowers and feathers	20	351	503,324	4,529	461,991	1,281,748
Brooms, brushes and mops	21	402	516,826	18,198	1,021,863	1,852,517
Buttons	18	472	796,295	18,180	879,610	2,091,215
Candles	7	111	167,792	9,331	352,380	755,006
Hair, human and animal	9	84	141,914	2,464	475,200	728,010
Ice, manufactured	5	49	110,411	46,128	16,256	374,200
Lamps, electric and lamp shades	12	264	370,881	10,094	538,123	1,098,586
Pipes and smokers' supplies	5	110	186,266	5,459	440,616	875,447
Plastic products	18	160	250,967	16,930	494,373	1,077,037

For footnotes, see end of table, p. 111.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.

GREATER MONTREAL—Concluded

Industry	Estab-	Em-	Salaries	Cost of	Cost	Gross
	lish-	ployees	and Wages	Fuel and Electricity	of Materials	Value of Products
	No.	No.	\$	\$	\$	\$
Miscellaneous Manufacturing Industries—concluded						
Scientific and professional equipment	12	225	354,067	10,252	585,608	1,172,995
Signs, neon and other	6	182	284,749	9,175	166,405	652,510
Sporting goods	7	310	402,995	13,046	642,393	1,349,724
Stamps and stencils, rubber and metal	10	95	155,202	4,293	59,649	299,760
Statuary, art goods and novelties	59	—	489,525	10,317	377,241	1,089,250
Toys and games	9	117	131,637	7,151	127,507	258,342
All other industries ¹⁰	8	557	849,295	25,566	1,437,663	3,661,036
Head offices ¹¹	—	135	252,947	—	—	—
Totals	203	3,984	5,956,196	211,113	8,076,878	18,617,683
Grand Total, Greater Montreal¹²	4,290	265,524	129,193,506	26,813,124	843,270,063	1,581,128,318

¹ Includes: 1 winery.

² Includes: Flour mills, 2; prepared breakfast foods, 1; rice, 1; sugar 2.

³ Includes: Miscellaneous woolen goods, 3; woolen yarn, 1.

⁴ Includes: Automobile accessories, fabric, 2; cordage, rope and twine, 1; synthetic textiles and silk, 2.

⁵ Includes: Coffins and caskets, 2; excelsior, 1; hardwood flooring, 2; plywood and veneer mills, 1; wood preservation, 1.

⁶ Includes: Pulp and paper mills, 2; wallpaper, 2.

⁷ Includes: Asbestos products, 2; cement, Portland, 1; clay products from domestic and imported clay, 2; gypsum products, 1; lime, 1; sand-lime brick, 1; brick and tile, 1.

⁸ Includes: Coke and gas products, 2; petroleum refining and products, 5.

⁹ Includes: Acids, alkalies and salts, 2; coal tar distillation, 2; fertilizers, 2; hardwood, 2.

¹⁰ Includes: 1 automobiles.

¹¹ Head offices of establishments not located in Greater Montreal.

¹² Totals for Greater Montreal exclude the non-ferrous smelting and refining industry.

GREATER TORONTO

Foods and Beverages—						
Bakery Products—						
Biscuits	7	1,481	2,043,621	145,755	4,755,900	11,656,580
Bread and other bakery products	235	5,770	9,396,521	777,832	14,782,584	32,664,579
Head offices ¹⁰	—	62	273,766	—	—	—
Beverages—						
Breweries	5	747	1,592,226	139,859	3,268,691	13,886,229
Carbonated beverages	21	920	1,383,689	120,115	3,176,669	8,651,989
Distilleries	3	342	813,393	152,567	3,621,448	7,418,911
Wineeries	61	95	266,139	10,208	667,589	1,367,330
Head offices ¹⁰	—	140	626,616	—	—	—
Canning and Preserving	31	1,549	2,572,976	127,809	10,223,092	16,404,440
Fruit and vegetable preparations						
Dairy Products—						
Butter and cheese	9	1,784	3,905,041	262,467	10,593,786	17,703,908
Processed cheese	4	183	267,985	13,229	4,078,002	5,072,841
Other dairy products	12	64	93,729	8,938	252,422	421,148
Grain Mill Products—						
Flour and feed mills	11	314	596,997	63,802	6,723,605	9,544,556
Prepared breakfast foods	3	58	80,889	4,634	432,121	811,175
Prepared stock and poultry feeds	13	542	992,275	76,096	10,078,638	12,408,792
Head offices ¹⁰	—	50	184,346	—	—	—
Meat Products—						
Animal oils and fats	4	81	196,350	31,484	448,407	897,480
Sausage and sausage casings	15	135	219,641	22,099	1,538,933	1,972,348
Slaughtering and meatpacking	22	4,532	10,412,466	733,812	92,686,019	111,268,638
Miscellaneous Foods—						
Confectionery, cocoa, etc.	40	4,036	5,893,605	323,436	18,361,013	32,683,661
Macaroni, spaghetti, etc.	3	103	182,565	14,559	451,356	713,447
Miscellaneous foods ¹	70	2,466	4,314,206	251,860	28,736,446	40,351,850
Totals	514	25,454	46,309,042	3,281,161	214,876,721	325,899,902

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.

GREATER TORONTO—Continued

Industry	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Tobacco and Tobacco Products...	8	373	507,046	11,297	1,029,956	2,257,180
Rubber Products.....	14	7,364	16,415,417	1,026,850	31,924,980	73,341,292
Leather Products—						
Belting, leather.....	5	83	144,633	2,047	546,729	819,688
Boots and shoes.....	29	1,418	2,176,475	24,042	3,547,347	6,697,258
Gloves and mittens.....	6	61	81,831	2,209	117,997	225,292
Miscellaneous leather.....	74	1,490	2,205,114	35,767	3,455,280	6,771,662
Tanneries.....	5	725	1,453,349	129,102	5,254,525	8,703,757
All other industries.....	1	11	12,500	5,013	10,915	29,567
Totals.....	120	3,788	6,073,902	201,180	12,962,793	23,247,224
Textiles (Except Clothing)—						
Cotton Goods—						
Cotton and wool waste.....	10	211	419,102	24,113	2,731,970	3,616,482
Miscellaneous cotton goods.....	40	798	1,220,532	24,260	3,108,935	5,425,869
All other industries ¹⁰	4	128	161,470	11,166	545,403	838,376
Woollen Goods—						
Miscellaneous woollen goods.....	12	411	839,492	61,790	2,988,345	4,803,960
Woollen cloth.....	9	700	1,213,625	65,222	4,435,976	6,668,398
Woollen yarn.....	7	903	1,437,595	77,455	3,299,460	5,937,412
Head offices ¹⁰	-	45	234,977	-	-	-
Other Primary Textiles—						
Dyeing and finishing of textiles.....	10	308	590,992	43,736	210,815	1,511,532
Narrow fabrics, laces, etc.....	12	190	270,082	4,801	454,837	879,399
Head offices ¹⁰	-	52	189,937	-	-	-
Miscellaneous Textiles—						
Automobile accessories, fabric.....	3	33	58,543	1,592	114,548	213,087
Awnings, tents and sails.....	16	209	317,578	8,576	805,006	1,315,393
Bags, cotton and jute.....	4	182	252,885	8,685	2,566,390	3,287,624
Carpets, mats and rugs.....	4	400	754,039	57,690	1,129,938	2,825,539
All other industries ³	5	708	1,254,960	85,917	3,553,689	6,593,473
Totals.....	136	5,278	9,215,809	475,063	25,945,312	43,916,544
Clothing (Textile and Fur)						
Men's, Women's and Children's—						
Clothing, men's factory.....	110	6,670	11,704,159	96,677	20,594,723	38,358,691
Clothing, women's factory.....	323	7,354	13,833,803	108,315	21,785,560	44,274,450
Clothing contractors, men's.....	18	210	385,619	3,270	58,559	563,850
Clothing contractors, women's.....	24	230	399,800	6,996	46,643	558,882
Hosiery and knitted goods.....	49	3,214	4,959,424	148,701	8,957,416	17,670,571
Miscellaneous Clothing—						
Corsets.....	18	807	1,070,238	8,094	1,567,854	3,486,786
Fur dressing and dyeing.....	6	257	485,979	17,685	128,600	855,206
Fur goods.....	190	1,695	3,792,126	44,619	12,992,429	19,658,524
Hats and caps.....	63	1,234	2,084,329	36,380	2,851,209	6,318,425
Oiled and waterproofed.....	4	176	311,324	6,158	815,410	1,356,888
All other industries.....	1	24	34,629	478	56,891	115,000
Head offices ¹⁰	-	8	41,196	-	-	-
Totals.....	806	21,879	39,102,626	477,373	69,855,294	133,217,273
Wood Products—						
Saw and Planing Mills—						
Hardwood flooring.....	3	163	327,508	26,104	553,537	1,083,106
Planing mills, sash and door factories.....	36	821	1,370,481	52,697	4,200,930	6,413,174
All other industries.....	2	13	12,453	1,078	35,689	54,779
Furniture.....	187	3,222	5,923,520	168,754	11,108,316	21,156,635

For footnotes, see end of table, p. 114.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.

GREATER TORONTO—Continued

Industry	Estab-	Em-	Salaries	Cost of	Cost of	Gross
	lish-	ployees	and	Fuel and	Materials	Value of
	No.	No.	\$	\$	\$	\$
Wood Products—concluded						
Miscellaneous Wood Products—						
Boxes, baskets and crates	2	11	15	1,205,44	2,154,241	
Coffins and caskets			7,167	268,292	580,964	
Miscellaneous wood products	86	897	1,507,817	50,183	1,761,557	4,289,201
Refrigerators, other than electric	3	46	82,466	2,021	88,544	228,863
Wood turning	8	27	32,860	1,520	22,110	77,660
All other industries ⁴	6	107	185,418	7,307	303,547	646,873
Totals	344	5,810	10,305,462	326,446	19,548,466	36,985,496
Paper Products—						
Boxes and bags, paper	43	3,781	6,457,296	196,360	16,260,810	28,914,749
Miscellaneous paper products	57	2,458	4,021,931	125,397	8,033,409	17,377,711
Pulp and paper mills	8	819	2,050,651	999,570	7,377,980	14,152,938
All other industries ⁵	5	683	1,382,896	124,611	2,924,077	6,320,853
Head offices ¹⁰	—	435	1,564,998	—	—	—
Totals	113	8,176	15,457,772	1,445,938	34,596,076	66,766,251
Printing, Publishing and Allied Products—						
Blueprinting	5	67	115,527	2,475	69,354	280,531
Engraving, stereotyping and elec-						
trotyping	37	1,684	4,513,296	74,754	1,497,064	7,800,549
Lithographing						
Printing and bookbinding						
Printing and publishing	39	5,561	13,505,066	247,812	12,785,863	38,337,021
Trade composition	17	285	701,271	9,390	105,872	1,45,171
Totals	456	16,319	34,842,717	651,649	32,958,527	91,462,862
Iron and Steel Products—						
Boilers, tanks and platework	9	2,389	5,569,464	257,296	5,720,163	15,699,664
Bridge and structural steel				80,740	3,011,245	7,074,80
Hardware, tools and cutlery	81	1,121	392,177	1,733,701	1,544,290	
Heating and cooking apparatus				120,376	3,348,183	10,418,033
Iron castings	16	1,922	4,408,761	270,167	3,879,795	11,714,722
Machinery	82	5,061	10,789,999	299,667	16,576,052	45,171,415
Machine shops	5	1	44,379	—	882,29	3,125,180
Miscellaneous iron and steel pro-						
ducts	52	1,008	1,848,959	56,964	1,622,469	4,928,062
Sheet metal products	66	5,237	10,057,079	450,291	17,882,971	35,580,917
Wire and wire goods	22	285	535,718	49,090	1,192,586	2,248,576
All other industries	4	3,558	7,379,005	276,618	12,554,306	23,039,934
Totals	435	25,279	52,952,770	2,207,615	72,354,058	173,045,413
Transportation Equipment						
Automobile supplies	25	2,952	5,833,407	293,565	7,936,061	18,561,248
Bicycles	4	636	1,185,309	73,765	1,712,063	3,778,725
Boatbuilding	5	72	70,229	2,292	35,685	88,967
Railway rolling-stock	4	1,143	2,437,224	89,028	2,735,036	5,618,534
All other industries ⁶	5	964	2,204,080	63,731	3,275,908	6,194,035
Totals	43	5,767	11,730,249	522,381	15,695,353	34,241,509
Non-ferrous Metal Products—						
Aluminum products	25	1,800	3,515,769	212,647	4,449,911	8,775,813
Brass and copper products	3	23	2,200	561,384	18,760,224	30,480,684
Jewellery and silverware	77	1,982	3,702,073	161,127	11,354,107	17,561,114
Miscellaneous non-ferrous metal products	11	702	1,311,841	26,789	2,650,671	4,866,611
White metal alloys	12	1,070	2,242,251	247,767	10,985,644	15,623,747
Totals	162	8,373	17,601,294	1,119,724	18,209,622	77,307,369
Electrical Apparatus and Supplies						
	125	16,727	33,565,147	1,222,415	69,782,723	143,170,237

For footnotes, see end of table, p. 114.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.
GREATER TORONTO—Concluded

Industry	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Non-metallic Mineral Products—						
Brick and tile.....	6	313	604,875	293,966	49,246	985,463
Cement products.....	36	391	737,761	82,261	1,068,651	2,679,096
Clay products from imported and domestic clays.....	5	89	116,331	13,015	238,282	656,490
Glass products.....	31	616	1,105,444	145,181	1,116,394	3,364,277
Miscellaneous non-metallic mineral products.....	12	307	665,462	42,523	1,559,491	3,009,059
Stone products.....	22	540	1,103,854	150,843	1,573,039	4,096,456
All other industries ⁷	6	106	180,089	49,190	133,655	493,411
Totals.....	118	2,362	4,513,816	776,979	5,738,758	15,284,252
Products of Petroleum and Coal⁸.....	9	1,580	3,221,417	1,657,694	15,988,879	25,007,567
Chemicals and Allied Products—						
Acids, alkalies and salts.....	6	115	265,890	120,887	1,264,755	2,272,710
Adhesives.....	10	338	746,758	107,852	1,619,004	2,691,014
Gases, compressed.....	10	269	570,772	99,746	410,296	2,091,603
Inks, printing and writing.....	17	578	1,236,137	49,391	2,667,036	5,963,654
Medicinal and pharmaceutical preparations.....	64	2,293	3,910,967	87,209	7,865,496	19,374,644
Miscellaneous chemicals.....	58	619	1,291,831	145,166	7,155,993	11,354,258
Paints and varnishes.....	36	1,757	3,625,922	175,106	12,394,590	24,031,172
Polished and dressings.....	22	260	424,028	16,564	1,450,907	2,564,879
Soaps, washing and cleaning compounds.....	35	1,941	4,118,024	394,532	16,787,597	34,294,898
Toilet preparations.....	38	949	1,468,433	23,607	3,233,268	7,967,412
Vegetable oil mills.....	3	255	617,497	137,388	10,260,169	12,907,188
All other industries ⁹	6	393	844,022	178,514	3,650,752	6,321,071
Totals.....	305	9,767	19,120,281	1,535,962	68,759,863	131,834,503
Miscellaneous Manufacturing Industries—						
Artificial flowers and feathers.....	15	208	234,096	5,299	162,884	489,737
Brooms, brushes and mops.....	11	437	694,826	11,539	1,291,599	2,837,315
Buttons.....	4	175	234,632	2,876	290,007	756,854
Fountain pens.....	5	685	1,204,563	13,355	1,530,375	5,173,733
Hair goods, human and animal.....	6	86	137,795	3,659	230,009	446,941
Ice, manufactured.....	17	146	307,478	89,026	39,246	1,724,091
Lamps, electric and lamp shades.....	23	447	613,387	19,196	1,035,438	2,037,749
Miscellaneous industries.....	4	128	168,921	4,386	144,067	377,569
Musical instruments.....	10	335	589,806	29,020	564,617	1,236,514
Pipes and other smoker's supplies.....	4	223	325,869	5,881	483,994	2,079,597
Plastics products.....	27	1,263	1,868,772	51,588	3,575,053	6,703,335
Scientific and professional instruments and equipment.....	27	2,278	4,804,874	168,468	6,350,461	15,379,153
Signs, neon and others.....	10	285	615,035	13,348	614,282	1,601,858
Sporting goods.....	13	499	883,477	20,112	1,283,230	2,796,000
Stamps and stencils, rubber and metal.....	9	285	546,204	9,246	288,010	1,010,484
Statuary, art goods and novelties.....	36	421	602,458	15,556	678,637	1,653,997
Toys and games.....	24	790	1,162,678	28,060	1,217,796	3,104,439
Typewriter supplies.....	5	228	475,234	10,604	1,032,538	2,110,518
Umbrellas.....	3	76	105,483	960	314,431	595,864
All other industries.....	1	1	1,838	240	11,543	17,175
Totals.....	254	8,996	15,627,426	502,419	21,138,217	52,132,923
Grand Totals, Greater Toronto.	3,967	173,292	336,562,193	17,472,086	761,365,598	1,452,117,797

¹ Includes: 1 malt and malt products.² Includes: Cotton thread, 1; cotton yarn and cloth, 2; cotton batting and wadding, 1.³ Includes: Synthetic textiles and silk, 1; cordage, rope and twine, 1; miscellaneous textiles, 3.⁴ Includes: Beekeepers' and poultrymen's supplies, 1; cooperage, 2; excelsior, 1; lasts, trees, and other wooden shoe findings, 1; woodenware, 1.⁵ Includes: Roofing paper, 2; wallpaper, 3.⁶ Includes: Automobiles, 1; aircraft and aircraft parts, 2; shipbuilding and repairs, 2.⁷ Includes: Asbestos products, 2; abrasive products, 1; salt, 1; sand-lime brick, 2.⁸ Includes: Coke and gas products, 1; petroleum refining and products, 8.⁹ Includes: Coal tar distillation, 2; fertilizers, 2; primary plastics, 2.¹⁰ Head offices of establishments not located in Greater Toronto.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.

GREATER HAMILTON

Industry	Estab-	Em-	Salaries	Cost of	Cost	Gross
	lish-	ploymen-	and	Fuel and	of	Value
	No.	No.	\$	\$	\$	\$
Foods and Beverages—						
Bakery Products—						
Biscuits.....	3	98	132,966	19,825	206,978	518,123
Bread and other bakery products.....	55	1,332	2,077,578	181,714	2,945,027	6,133,172
Beverages—						
All industries ¹	17	303	553,024	44,157	791,588	2,673,741
Canning and Preserving—						
Fruit and vegetable preparations.....	14	819	930,400	91,030	5,340,635	8,263,439
Dairy Products—						
Butter and cheese ²	4	386	821,608	56,381	1,873,970	3,522,290
Grain Mill Products—						
Flour and feed mills.....	4	13	13,530	2,903	191,797	243,489
Meat Products—						
Slaughtering and meatpacking ³	7	674	1,396,386	117,591	17,039,195	19,805,321
Miscellaneous Foods—						
Confectionery, cocoa, etc.....	8	203	313,541	17,764	698,919	2,056,835
Miscellaneous foods.....	14	340	524,557	17,315	1,903,186	3,062,620
Head offices ¹⁸	—	206	465,484	—	—	—
All other industries.....	2	17	27,268	3,621	92,900	155,020
Totals	128	4,391	7,256,642	552,301	31,084,195	46,434,050
Tobacco and Tobacco Products						
Rubber Products.....	1 3	2,135	4,601,816	264,071	13,741,692	29,143,664
Leather Products ⁴	5	23	43,240	550	119,233	201,660
Textile Products						
(Except Clothing)—						
Cotton yarn and cloth.....	5	1,930	2,662,256	224,525	6,668,840	11,340,712
Woollen goods ⁵	3	277	462,702	28,958	863,714	1,914,872
Awnings, tents and sails.....	3	45	70,379	987	64,222	157,116
All other industries ⁶	7	401	673,310	55,539	2,609,640	3,595,277
Totals	18	2,653	3,868,647	310,009	10,206,416	17,907,977
Clothing (Textile and Fur)						
Clothing, men's factory.....	7	921	1,334,104	18,674	1,820,635	3,638,780
Fur goods.....	8	67	108,524	5,185	207,662	447,457
Hosiery and knitted goods.....	7	3,173	4,616,318	159,318	6,569,461	13,797,063
All other industries ⁷	3	55	85,771	1,179	74,262	163,928
Totals	25	4,216	6,144,717	184,356	8,672,420	18,047,228
Wood Products						
Furniture.....	11	74	102,842	6,660	58,490	224,156
Planing mills, sash and door factories.....	6	128	221,510	12,656	522,826	954,427
Miscellaneous wood products.....	6	34	69,616	1,756	41,674	148,061
All other industries ⁸	8	157	243,008	7,072	474,959	936,284
Totals	31	393	636,976	28,144	1,097,949	2,262,928
Paper Products						
Boxes and bags, paper.....	10	566	970,965	51,001	3,877,760	5,956,940
All other industries ⁹	10	926	1,651,504	83,548	4,709,661	9,484,973
Totals	20	1,492	2,622,469	134,549	8,587,421	15,741,913

For footnotes, see end of table, p. 117.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.
GREATER HAMILTON—Continued

Industry	Estab-	Em-	Salaries	Cost of	Cost	Gross
	lish-	ployees	and	Fuel and	of	Value of
	No.	No.	\$	\$	\$	\$
Printing, Publishing and Allied Products—						
Engraving, stereotyping and electrotyping.....	6	105	279,934	4,354	68,332	513,765
Printing and bookbinding.....	48	515	988,023	30,080	1,499,185	3,064,618
All other industries ¹⁰	6	508	1,126,027	23,958	1,208,301	3,859,967
Totals.....	60	1,128	2,393,984	58,392	2,775,818	7,438,350
Iron and Steel Products—						
Castings, iron.....	4	374	824,080	47,777	1,099,363	2,363,410
Hardware, tools and cutlery.....	15	850	1,747,443	98,937	2,512,091	6,197,252
Machine shops.....	12	127	241,930	7,395	114,156	442,749
Machinery, household and office.....	4	664	1,154,557	30,761	1,019,085	3,573,658
Machinery, industrial.....	12	1,611	3,603,771	127,063	4,510,399	14,718,655
Primary iron and steel.....	10	9,021	22,102,330	7,992,996	47,210,815	84,747,986
Sheet metal products.....	18	1,156	2,145,603	127,137	6,134,237	9,808,129
Wire and wire goods.....	13	2,682	5,871,609	408,907	5,385,581	19,701,040
Miscellaneous iron and steel products.....	11	124	201,790	13,000	188,464	561,305
All other industries ¹¹	6	3,462	7,002,874	419,288	9,100,752	17,560,323
Totals.....	105	20,071	44,895,987	9,273,261	77,271,943	159,674,507
Transportation Equipment¹².....						
	9	1,306	3,264,480	294,644	6,391,413	15,743,203
Non-ferrous Metal Products—						
Brass and copper products.....	9	689	1,390,688	44,742	1,061,001	3,162,009
Jewellery and silverware.....	5	431	891,862	22,425	1,106,354	1,801,572
Miscellaneous non-ferrous metal products.....	3	11	22,776	25	17,226	54,723
All other industries ¹³	5	279	564,154	58,054	902,272	1,768,180
Totals.....	22	1,410	2,869,480	125,246	3,086,853	6,786,784
Electrical Apparatus and Supplies						
	11	7,038	13,896,616	521,069	11,185,086	38,978,910
Non-metallic Mineral Products—						
Abrasive products.....	3	169	454,911	26,882	492,332	2,034,611
Brick and tile.....	4	99	206,197	87,044	7,871	433,013
Cement products.....	10	96	163,489	17,500	123,972	322,625
Clay products from domestic and imported clays.....	5	842	1,619,491	199,013	777,909	3,844,668
Glass products.....	5	896	1,593,045	444,226	1,840,559	4,693,583
Stone products.....	6	87	213,669	19,014	144,808	468,663
All other industries ¹⁴	5	47	88,260	11,763	337,149	583,208
Totals.....	38	2,236	4,339,062	805,442	3,724,600	12,380,371
Products of Petroleum and Coal¹⁵						
	6	784	1,686,832	1,517,308	9,587,296	15,754,508
Chemicals and Allied Products—						
Miscellaneous chemicals.....	7	57	185,096	10,027	404,279	832,767
Polishes and dressings.....	4	70	116,281	4,440	302,503	662,805
Soaps and cleaning preparations.....	7	435	1,102,315	230,238	8,422,028	11,250,069
Toilet preparations.....	3	51	63,015	1,411	99,275	214,888
All other industries ¹⁶	10	518	1,103,372	162,273	9,091,420	13,289,854
Totals.....	31	1,131	2,570,079	408,389	18,319,505	26,250,383

For footnotes, see end of table, p. 117.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.

GREATER HAMILTON—Concluded

Industry	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Miscellaneous Manufacturing Industries						
Brooms, brushes and mops.....	7	331	542,250	11,949	930,052	2,244,130
Sporting goods.....	8	8	11,360	420	24,110	41,043
All other industries ¹⁷	7	93	152,069	15,551	58,047	388,505
Totals	17	432	705,679	27,920	1,012,209	2,673,678
Grand Totals, Greater Hamilton						
	232	97,839	101,676	796	11,503,651	206,866,619
						114,320,114

¹ Includes: Breweries, 1; carbonated beverages, 15; wineries, 1.

² Includes: Other dairy products, 1.

³ Including—Sausage and sausage casings, 1.

⁴ Includes: Belting, leather, 2; miscellaneous leather goods, 3.

⁵ Includes: Woolen yarn, 1; miscellaneous woolen goods, 2.

⁶ Includes: Bags, cotton and jute, 2; carpets, mats and rugs, 2; cordage, rope and twine, 1; cotton thread, 1; dyeing and finishing of textiles, 1.

⁷ Includes: Clothing, women's factory, 1; hats and caps, 2.

⁸ Includes: Boxes, baskets and crates, 1; coffins and caskets, 2; cooperage, 1; refrigerators other than electric, 1; sawmills, 2; woodenware, 1.

⁹ Includes: Miscellaneous paper products, 8; roofing paper, 2.

¹⁰ Includes: Blueprinting, 1; lithographing, 2; printing and publishing, 1; trade composition, 2.

¹¹ Includes: Agricultural implements, 2; boilers, tanks and platework, 1; bridge and structural steel, 1 heating and cooking apparatus, 2.

¹² Includes: Aircraft and aircraft parts, 1; automobile supplies, 2; boatbuilding, 2; carriages, wagons and sleighs, 1; railway rolling stock, 3.

¹³ Includes: Aluminum products, 3; white metal alloys, 2.

¹⁴ Includes: Asbestos products, 2; miscellaneous non-metallic mineral products, 2; stoneware and pottery from domestic clay, 1.

¹⁵ Includes: Coke and gas products, 4; lubricating oils and greases, 2.

¹⁶ Includes: Acids, alkalies and salts, 1; coal tar distillation, 1; fertilizers, 1; gases, compressed, 2; medicinal and pharmaceutical preparations, 2; paints and varnishes, 2; vegetable oil mills, 1.

¹⁷ Includes: Ice, manufactured, 2; scientific and professional equipment and supplies, 2; stamps and stencils, rubber and metal, 2; toys and games, 1.

¹⁸ Head offices of establishments not located in Greater Hamilton.

GREATER WINDSOR

Foods and Beverages—						
Beverages ¹	9	1,002	2,133,660	257,095	5,264,549	18,832,283
Bread and other bakery products	24	522	879,828	70,758	1,305,759	2,900,839
Butter and cheese.....	5	491	1,071,554	90,846	2,371,020	4,151,458
Fruit and vegetable preparations	7	225	247,460	13,849	470,519	1,054,343
Meat products ²	6	143	303,607	36,179	3,140,082	3,564,102
Miscellaneous foods.....	5	25	31,860	2,211	118,001	212,479
All other industries ³	7	238	457,300	41,633	1,494,004	2,751,965
Totals	63	2,616	5,125,269	512,571	14,164,534	33,467,469
Textiles (Except Clothing)⁴.....	9	881	1,550,423	54,375	3,186,856	6,151,259
Clothing (Textile and Fur)⁵.....	6	164	202,221	4,749	347,869	695,782
Wood Products—						
Boxes, baskets and crates.....	3	79	141,300	6,751	189,363	379,861
Furniture.....	6	66	115,070	4,529	358,545	504,474
Planing mills, sash and door factories.....	~	~	144,118	10,484	159,729	375,087
Miscellaneous wood products.....	9	72	101,083	5,632	113,799	202,591
All other industries ⁶	3	39	69,309	1,648	143,681	271,246
Totals	27	345	569,880	29,044	965,117	1,793,259
Paper Products.....	3	134	256,596	4,568	710,751	1,203,643
Printing and Publishing and Allied Products—						
Printing and bookbinding.....	22	165	339,048	8,465	276,097	802,063
All other industries ⁷	4	387	915,574	23,140	825,147	2,692,537
Totals	26	552	1,254,622	31,605	1,101,244	3,494,600

For footnotes, see end of table, p. 118.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.
GREATER WINDSOR—Concluded

Industry	Estab-	Em-	Salaries	Cost of	Cost	Gross
	lish-	ployees	and	Fuel and	of	Value of
	No.	No.	\$	\$	\$	\$
Iron and Steel Products—						
Castings, iron.....	8	987	2,378,560	198,787	1,706,730	5,660,645
Hardware, tools and cutlery.....	16	640	1,593,288	52,084	1,434,569	4,125,643
Machine shops.....	6	64	159,272	8,602	140,773	351,842
Machinery.....	9	383	924,008	28,023	2,174,512	6,007,072
Miscellaneous iron and steel products.....	9	619	1,897,022	272,493	3,119,657	7,833,888
Sheet metal products.....	4	391	946,366	30,892	1,223,125	2,908,396
All other industries ⁸	7	2,116	4,618,600	215,405	5,050,864	14,651,867
Totals	59	5,200	12,517,116	806,286	14,850,230	41,539,303
Transportation Equipment—						
	21	20,210	48,876,817	2,110,751	163,703,438	257,573,679
Non-ferrous Metal Products—						
Brass and copper products.....	4	103	261,047	13,395	230,905	704,135
Jewellery and electroplated ware.....	3	48	82,859	1,017	78,326	213,307
All other industries ⁹	5	24	44,356	2,834	295,372	406,321
Totals	12	175	388,262	17,246	613,603	1,323,763
Non-metallic Mineral Products—						
Cement products.....	4	71	140,869	23,054	367,316	628,474
All other industries ¹⁰	7	327	722,158	251,231	859,975	3,192,660
Totals	11	398	863,027	279,285	1,227,291	3,821,134
Chemicals and Allied Products—						
Medicinal and pharmaceutical preparations.....	11	1,014	2,039,508	55,968	3,830,498	12,103,183
Miscellaneous chemical products.....	5	27	53,231	2,266	96,979	220,525
Soaps, washing and cleaning preparations.....	9	32	51,445	4,065	121,827	263,381
Toilet preparations.....	5	38	58,111	1,813	121,754	277,229
All other industries ¹¹	5	560	1,303,890	694,880	1,126,759	5,622,265
Totals	35	1,671	3,506,185	758,992	5,297,817	18,456,583
Miscellaneous Manufacturing Industries—						
Statuary, art goods and novelties.....	3	10	10,748	380	4,081	15,994
All other industries ¹²	9	296	477,920	36,807	352,663	1,416,267
Totals	12	306	488,668	37,187	356,744	1,432,261
All Other Major Groups¹⁴.....	4	49	150,787	13,752	360,961	628,888
Grand Totals, Greater Windsor	291	32,731	75,719,903	1,660,411	206,886,455	371,611,623

¹ Includes: Breweries, 2; carbonated beverages, 6; distilleries, 1.

² Includes: Sausage and sausage casings, 2; slaughtering and meatpacking, 4.

³ Includes: Confectionery, cocoa, etc., 1; flour and feed mills, 2; prepared breakfast foods, 1; prepared stock and poultry feeds, 1; other dairy products, 2.

⁴ Includes: Automobile accessories, fabric, 3; awnings, tents and sails, 2; bags, cotton and jute, 2; batting and wadding, 1; cotton and wool waste, 1.

⁵ Includes: Clothing, men's factory, 1; clothing, women's factory, 1; corsets, 1; fur goods, 1; gloves and mittens, fabric, 2.

⁶ Includes: Sawmills, 1; woodturning, 2.

⁷ Includes: Lithographing, 1; printing and bookbinding, 2; trade composition, 1.

⁸ Includes: Agricultural implements, 1; bridge and structural steel, 2; heating and cooking apparatus, 1; primary iron and steel, 1; wire and wire goods, 2.

⁹ Includes: Automobiles, 2; automobile supplies, 20; boatbuilding, 2.

¹⁰ Includes: Aluminum products, 2; miscellaneous non-ferrous metal products, 1; white metal alloys, 2.

¹¹ Includes: Glass products, 2; miscellaneous non-metallic mineral products, 2; salt, 1; stone products, 2.

¹² Includes: Acids, alkalies and salts, 1; gases, compressed, 1; paints and varnishes, 3.

¹³ Includes: Artificial flowers and feathers, 1; buttons, 1; ice, manufactured, 2; scientific and professional instruments and equipment, 1; signs, neon and other, 1; sporting goods, 2; stamps and stencils, metal and rubber, 1.

¹⁴ Includes: Rubber products, 1; miscellaneous leather goods, 1; electrical apparatus and supplies, 2.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1917—con.

GREATER WINNIPEG

Industry	Estab-	Em-	Salaries	Cost of	Cost	Gross
	lish-	plo-	and	Fuel and	of	Value of
	No.	No.	\$	\$	\$	\$
Foods and Beverages—						
Bakery Products—						
Bread and other bakery products ¹	64	1,515	2,450,712	239,317	4,764,691	11,193,763
Beverages—						
Carbonated beverages.....	13	285	503,062	61,803	1,160,665	3,382,190
Breweries.....	6	630	1,327,837	149,707	1,327,085	6,933,405
Canning and Preserving—						
Fruit and vegetable preparations.....	9	264	315,318	25,512	1,178,095	1,765,006
Dairy Products—						
Butter and cheese.....	12	1,049	1,995,373	188,712	7,206,819	10,997,637
All other industries ²	4	82	100,846	5,552	1,003,858	1,507,181
Grain Mill Products—						
Feed and chopping mills.....	6	44	71,879	16,695	2,525,945	2,736,308
Flour mills.....	3	541	907,267	137,125	20,397,932	23,181,013
Prepared breakfast foods.....	3	20	32,835	3,589	289,251	652,317
Prepared stock and poultry feeds.....	16	251	509,997	47,923	5,247,026	6,302,507
Meat Products—						
Slaughtering and meatpacking.....	12	3,621	7,316,073	416,945	57,270,474	71,727,155
Sausage and sausage casings ³	8	116	202,774	21,624	1,075,584	1,484,747
Miscellaneous Foods—						
Confectionery, cocoa, etc.....	12	424	551,252	39,519	1,434,285	2,795,226
Miscellaneous foods.....	18	430	629,147	40,211	6,391,767	8,273,774
All other industries ⁴	6	353	632,092	228,185	3,832,629	5,670,023
Totals	192	9,625	17,551,464	1,622,419	115,106,106	158,602,312
Leather Products—						
Boots and shoes.....	6	175	239,470	3,637	586,868	950,369
Gloves and mittens.....	10	250	294,504	4,828	720,683	1,082,292
Miscellaneous leather goods ⁵	13	298	397,035	17,850	1,332,430	1,987,919
Totals	29	723	931,609	26,315	2,639,981	4,020,580
Textiles, (Except Clothing)—						
Awnings, tents and sails.....	3	33	50,017	2,100	157,886	228,692
Bags, cotton and jute.....	5	300	474,635	18,496	8,795,942	10,540,640
Miscellaneous cotton goods.....	3	13	20,145	246	26,302	53,723
All other industries ⁶	4	89	156,126	8,404	152,324	428,303
Totals	15	435	700,923	29,246	9,132,454	11,251,358
Clothing (Textile and Fur)						
Clothing, men's factory.....	34	1,990	2,446,618	38,661	6,129,309	10,898,700
Clothing, women's factory.....	43	1,612	2,595,021	30,823	5,404,579	10,032,546
Fur dressing and dyeing.....	4	206	318,775	9,050	73,809	530,536
Fur goods.....	56	671	1,176,459	13,053	3,345,039	5,406,761
Hats and caps.....	12	240	324,427	4,205	469,857	940,162
Hosiery and knitted goods.....	5	238	306,949	7,888	781,608	1,395,462
All other industries.....	1	12	18,037	290	200	24,437
Totals	155	4,969	7,186,286	103,970	16,207,401	29,237,624
Wood Products—						
Boxes, baskets and crates.....	6	292	477,495	21,521	749,709	1,415,746
Furniture.....	66	1,108	1,899,965	61,462	3,858,646	7,588,750
Miscellaneous wood products.....	13	76	85,659	2,833	183,048	322,124
Planing mills, sash and door fac-						
tories.....	20	142	864,741	30,074	1,201,197	2,529,098
Woodenware.....	3	23	28,008	872	46,427	80,152
All other industries ⁷	8	142	214,112	9,180	349,925	727,755
Totals	116	2,103	3,514,980	125,942	6,388,952	12,661,925

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.

GREATER WINNIPEG—Continued

Industry	Estab-	Em-	Salaries	Cost of	Cost of	Gross
	lish-	ployees	and Wages	Fuel and Electricity	Materials	Value of Products
	No.	No.	\$	\$	\$	\$
Paper Products—						
Boxes and bags.....	8	472	885,065	36,506	3,012,114	4,850,097
Roofing paper.....	4	151	250,409	34,500	1,008,119	1,915,723
All other industries ⁸	8	232	353,933	62,683	795,098	1,687,391
Totals	20	855	1,494,107	133,689	4,815,331	8,462,211
Printing and Publishing and Allied Products—						
Engraving, stereotyping and electrotyping.....	6	235	577,176	8,794	117,217	924,457
Printing and bookbinding.....	72	1,433	2,351,971	54,874	1,991,885	5,739,444
Printing and publishing.....	26	1,256	2,235,354	63,271	1,926,127	7,253,599
Trade composition.....	3	9	19,089	653	12,915	38,171
All other industries.....	3	200	346,691	10,410	305,440	838,925
Totals	110	3,133	5,530,281	138,002	4,353,587	14,794,596
Iron and Steel Products—						
Agricultural implements.....	4	238	431,933	22,067	732,736	1,305,219
Hardware, tools and cutlery.....	5	69	86,042	10,639	95,709	228,681
Iron castings.....	7	636	1,330,513	51,345	991,394	4,081,888
Machinery.....	11	382	715,952	28,811	636,737	1,850,448
Machine shops.....	20	278	515,079	20,478	364,141	1,141,202
Sheet metal products.....	18	599	1,073,031	61,029	2,156,639	4,021,267
Miscellaneous iron and steel products.....	8	388	766,088	48,604	993,935	2,223,050
All other industries ⁹	8	503	1,009,886	53,829	2,203,562	6,892,164
Totals	81	3,093	5,928,524	296,802	8,174,853	21,743,919
Transportation Equipment¹⁰.....						
	14	4,255	8,666,514	507,527	8,594,705	18,396,378
Non-ferrous Metal Products—						
Aluminum products.....	3	16	18,222	1,798	10,092	31,773
Brass and copper products.....	6	174	333,209	35,152	1,121,235	1,909,003
Miscellaneous non-ferrous metal products.....	3	22	50,587	1,724	6,118	34,411
All other industries ¹¹	4	91	152,648	15,309	720,722	1,037,241
Totals	16	303	556,666	53,983	1,858,167	3,012,428
Electrical Apparatus and Supplies						
	14	485	763,758	49,802	1,683,148	3,358,289
Non-metallic Mineral Products—						
Cement products.....	3	23	38,958	1,491	10,853	118,699
Miscellaneous non-metallic mineral products.....	6	50	66,609	8,202	101,591	303,208
Stone products.....	5	38	47,243	4,255	29,827	90,257
All other industries ¹²	10	485	898,265	918,773	1,675,348	5,999,332
Totals	24	596	1,051,075	932,721	1,817,619	6,511,496
Products of Petroleum and Coal...						
	3	277	485,342	262,816	3,291,851	4,743,012

For footnotes, see end of table, p. 121.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.

GREATER WINNIPEG—Concluded

Industry	Estab-	Em-	Salaries	Cost of	Cost	Gross
	lish-	ployees	and	Fuel and	of	Value
	No.	No.	\$	\$	\$	\$
Chemical and Allied Products—						
Gases, compressed.....	3	89	179,509	17,071	121,574	707,125
Medical and pharmaceutical preparations.....	7	176	285,669	10,678	494,154	1,655,756
Paints and varnishes.....	5	203	375,617	26,978	2,270,729	3,374,719
Soaps, washing and cleaning preparations.....	6	40	55,199	6,723	289,209	373,284
Toilet preparations.....	4	26	20,471	987	78,633	120,762
Miscellaneous chemical products.....	5	38	61,394	912	171,305	317,873
All other industries ¹³	6	81	121,390	25,290	1,140,099	1,467,038
Totals	36	653	1,099,249	88,639	4,565,703	8,016,557
Miscellaneous Manufacturing Industries—						
Brooms, brushes and mops.....	6	86	119,042	3,674	217,632	414,133
Plastics products.....	3	11	18,108	305	16,125	44,489
Scientific and professional instruments and equipment.....	8	82	123,021	5,576	78,793	251,915
Signs, neons and others.....	7	151	207,961	31,820	131,005	832,736
Stamps and stencils, rubber and metal.....	4	12	31,721	309	9,986	47,532
Statuary, art goods, novelties.....	6	75	76,103	1,236	92,820	207,319
All other industries ¹⁴	9	75	90,430	2,651	130,637	370,781
Totals	43	492	756,386	45,571	676,998	2,168,965
Other Major Industrial Groups.						
Grand Totals, Greater Winnipeg	870	32,965	56,234,297	4,417,572	189,310,081	306,993,899

¹ Includes: biscuits, 2 est.

² Includes: Processed cheese, 3; other dairy products, 1.

³ Includes: animal oils and fats, 1 est.

⁴ Includes: Malt and malt products, 2; macaroni, spaghetti, etc. 3; sugar 1.

⁵ Includes: tanneries, 1 est.

⁶ Includes: Automobile accessories, fabric, 2; carpets, mats and rugs, 1; cotton textiles, miscellaneous, 1.

⁷ Includes: Beekeepers' and poultrymen's supplies, 2; cooperage, 1; excelsior, 2; coffins and caskets, 2; wooden refrigerators, 1.

⁸ Includes: pulp and paper, 1 est.

⁹ Includes: Fabricated and structural steel, 2; heating and cooking apparatus, 2; machinery, 1; primary iron and steel, 1; wire and wire goods, 2.

¹⁰ Includes: aircraft and aircraft parts, 2; boatbuilding, 2; automobiles, 1; automobile supplies, 4; railway rolling-stock, 3; carriages, wagons and sleighs, 2.

¹¹ Includes: Jewellery and silverware, 2; white metal alloys, 2.

¹² Includes: Cement, 1; brick and tile, 2; sand-lime brick, 1; glass products, 2; gypsum products, 2; lime, 2.

¹³ Includes: Coal tar distillation, 2; vegetable oil mills, 2; inks, writing and printing, 2.

¹⁴ Includes: Artificial flowers and feathers, 1; ice, manufactured, 1; lamps, electric and lamp shades, 2; musical instruments, 1; sporting goods, 2; hair goods, animal and human, 2.

GREATER VANCOUVER

Foods and Beverages—						
Bakery Products—						
Biscuits	3	1,984	3,614,367	262,114	5,801,060	12,354,882
Bread and other bakery products	134					
Carbonated beverages	16	152	289,242	30,111	449,449	1,518,594
All other industries ¹⁵	*	1,145	2,123,840	342,224	4,407,717	18,626,481
Canning and Preserving—						
Canned and cured fish.....	24	1,370	2,047,088	116,342	8,860,747	14,802,262
Fruit and vegetable preparations	19	1,126	1,549,773	88,385	8,030,102	12,560,537

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.
GREATER VANCOUVER—Continued

Industry	Estab-	Em-	Salaries	Cost of	Cost	Gross
	lish-	ploymen-	and	Fuel and	of	Value of
	No.	No.	\$	\$	\$	\$
Foods and Beverages—concluded						
Dairy Products—						
Butter and cheese.....	10	873	1,692,649	171,379	7,981,425	11,940,582
Other dairy products.....	7	159	255,824	30,633	917,531	1,591,353
Grain Mill Products—						
Prepared breakfast foods.....	3	12	12,762	1,290	46,653	64,886
Prepared stock and poultry feeds.....	10	331	552,226	51,888	6,193,152	7,992,631
All other industries.....	1	2	1,500	210	7,526	10,700
Meat Products—						
Sausage and sausage casings.....	5	98	123,983	6,289	651,978	880,719
Slaughtering and meatpacking.....	9	1,185	2,522,277	187,280	23,651,323	28,098,195
Miscellaneous Foods—						
Confectionery, cocoa, etc.....	21	229	315,968	22,092	685,658	1,312,861
Macaroni, spaghetti, etc.....	4	45	65,317	8,879	115,258	229,871
Miscellaneous foods.....	34	1,089	1,876,093	216,312	22,515,904	25,369,835
Sugar.....	1					
Totals.....	298	9,800	17,042,909	1,535,428	90,315,492	137,354,689
Tobacco and Tobacco Products...	3	9	8,614	77	7,699	16,969
Rubber Products.....	3	17	27,463	363	6,761	41,197
Leather Products—						
Boots and shoes.....	9	311	451,403	11,765	803,909	1,348,798
Gloves and mittens.....	4	82	116,113	1,375	178,125	342,204
Miscellaneous leather.....	9	169	251,839	4,489	415,015	858,678
Tanneries.....	3	49	85,739	8,301	280,122	432,745
Totals.....	25	611	905,094	25,930	1,677,171	2,982,425
Textiles (Except Clothing)—						
Cotton goods ²	6	40	64,975	8,941	196,346	314,529
Woolen goods ³	4	146	252,047	23,361	541,066	1,239,148
Miscellaneous textiles—						
Awnings, tents and sails.....	7	176	290,490	14,373	540,924	867,848
Miscellaneous textiles.....	3	21	31,899	1,047	99,180	171,405
All other industries ⁴	3	234	429,980	18,265	2,261,048	3,476,059
Totals.....	23	617	1,069,391	65,987	3,638,564	6,068,989
Clothing (Textile and Fur)—						
Clothing, men's factory.....	12	362	512,604	9,364	883,825	1,817,567
Clothing, women's factory.....	20	592	837,565	9,606	1,244,264	2,582,148
Hosiery and knitted goods.....	4	158	210,395	5,760	414,047	828,829
Miscellaneous clothing—						
Fur goods.....	17	111	166,672	5,488	257,766	525,424
All other industries ⁵	3	26	30,844	563	38,031	76,981
Totals.....	56	1,249	1,758,080	30,781	2,837,933	5,830,949
Wood Products—						
Saw and planing mills—						
Plywood and veneer.....	8	1,966	3,971,203	139,357	6,829,888	17,461,649
Planing mills, sash and door fac-						
tories.....	53	955	1,854,935	87,997	3,176,025	6,312,930
Sawmills.....	106	7,790	17,142,516	553,226	39,535,475	\$3,356,033
Furniture.....	110	1,756	2,999,839	79,975	4,485,470	9,164,044
Miscellaneous wood products—						
Boxes, baskets and crates.....	9	225	381,376	23,956	797,533	1,287,844
Coffins and caskets.....	3	72	99,090	4,259	240,287	456,989
Miscellaneous wood products.....	29	254	487,145	9,774	1,094,910	1,970,495
Woodenware.....	3	94	138,153	2,763	148,051	331,883
Wood turning.....	7	73	126,460	5,026	325,678	573,787
All other industries ⁶	10	339	660,668	71,098	2,736,031	4,161,567
Totals.....	338	13,524	27,859,385	977,431	59,369,348	125,077,221

For footnotes, see end of table, p. 124.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—con.

GREATER VANCOUVER—Continued

Industry	Estab-	Em-	Salaries	Cost of	Cost	Gross
	lish-	ployees	and	Fuel and	of	Value of
	No.	No.	\$	\$	\$	\$
Paper Products—						
Boxes and bags, paper.....	8	569	982,557	41,626	3,703,116	6,022,462
Miscellaneous paper products.....	12	568	1,017,761	30,017	3,959,201	6,535,386
Head offices—Pulp and paper ¹²	-	176	889,387	-	-	-
All other industries.....	4	836	1,973,134	825,631	6,172,834	12,764,879
Totals.....	24	2,149	4,862,839	897,274	13,835,151	25,322,727
Printing, Publishing and Allied Products—						
Blueprinting.....	4	19	31,568	2,149	18,075	73,953
Engraving, stereotyping and electrotyping.....	7	136	339,249	6,808	125,057	643,795
Lithographing.....	7	214	457,074	13,280	547,689	1,322,350
Printing and bookbinding.....	95	917	1,817,742	43,607	1,286,824	3,788,441
Printing and publishing.....	11	1,434	3,267,670	42,941	2,176,578	7,591,430
All other industries.....	2	25	60,222	2,450	11,055	96,156
Totals.....	126	2,745	5,973,525	111,235	4,165,278	13,516,125
Iron and Steel Products—						
Boilers, tanks and platework.....	6	181	477,829	25,502	1,316,260	2,054,068
Hardware, tools and cutlery.....	13	397	813,089	33,737	513,951	1,989,010
Heating and cooking apparatus.....	8	113	231,899	4,196	170,483	485,161
Iron castings.....	15	552	1,119,345	58,352	944,297	2,675,678
Machine shops.....	44	482	1,059,475	29,898	626,455	2,139,927
Machinery.....	34	1,967	4,350,766	144,231	4,299,896	12,049,063
Miscellaneous iron and steel products.....	21	929	2,085,756	108,117	3,452,437	5,598,639
Primary iron and steel.....	6	296	628,635	96,328	244,034	1,107,728
Sheet metal products.....	2	1	2,028,684	101,141	7,317,574	11,733,390
Wire and wire goods.....	10	343	693,308	34,949	2,376,704	4,101,245
Totals.....	183	6,156	13,488,786	636,451	21,262,156	46,934,509
Transportation Equipment—						
Automobile supplies.....	9	299	450,991	18,033	766,957	1,430,698
Boatbuilding.....	23	173	298,192	6,861	206,137	586,725
Shipbuilding and repairs.....	16	3,407	8,215,142	254,148	2,400,674	21,109,382
All other industries ⁸	4	345	669,647	44,433	592,283	1,397,255
Totals.....	52	4,130	9,633,972	323,475	3,966,051	24,521,060
Non-ferrous Metal Products—						
Aluminum products.....	3	46	68,529	3,698	27,090	156,571
Brass and copper products.....	14	233	516,630	22,744	365,138	1,187,108
Jewellery and silverware.....	5	68	148,857	1,166	84,217	265,252
White metal alloys.....	3	54	126,299	10,813	876,862	1,206,642
Totals.....	25	401	860,315	38,421	1,353,307	2,815,573
Electrical Apparatus and Supplies						
	16	430	796,690	17,865	879,252	2,403,301
Non-metallic Mineral Products⁹.....						
Products of Petroleum and Coal.....	38	1,102	2,124,839	656,103	11,629,696	18,364,158

For footnotes, see end of table, p. 124.

Principal Statistics of the Manufacturing Industries Located in the Metropolitan Areas of Montreal, Toronto, Hamilton, Windsor, Winnipeg and Vancouver, 1947—conc.
GREATER VANCOUVER—Concluded

Industry	Establishments	Employees	Salaries and Wages	Cost of Fuel and Electricity	Cost of Materials	Gross Value of Products
	No.	No.	\$	\$	\$	\$
Chemicals and Allied Products—						
Fertilizers.....	4	67	145,705	8,924	709,074	1,446,611
Gases, compressed.....	3	102	216,378	26,836	121,894	826,683
Medicinal and pharmaceutical preparations.....	3	28	37,829	1,408	73,663	122,631
Miscellaneous chemical products.....	11	43	58,484	2,559	83,147	269,236
Paints and varnishes.....	7	187	383,052	14,435	1,256,012	2,363,166
Soaps, washing and cleaning compounds.....	22	103	197,121	9,010	277,457	835,153
Toilet preparations.....	3	5	3,550	85	5,356	15,689
All other industries ¹⁰	9	146	299,637	45,835	6,140,997	7,149,447
Totals.....	62	681	1,341,756	109,092	8,667,600	13,028,616
Miscellaneous Manufacturing Industries—						
Brooms, brushes and mops.....	4	108	164,603	2,932	212,741	489,311
Ice, manufactured.....	7	124	244,058	57,229	19,092	662,373
Musical instruments.....	3	5	9,675	313	3,943	14,810
Plastic products.....	4	19	31,167	2,828	10,435	44,883
Scientific and professional instruments and equipment.....	4	13	23,855	550	6,630	49,887
Signs, neon, etc.....	6	278	677,375	18,042	420,922	1,566,875
Stamps and stencils, rubber and metal.....	7	59	105,275	3,947	37,647	187,707
Statuary, art goods, novelties.....	3	24	24,698	447	10,156	40,764
All other industries ¹¹	9	116	164,056	5,357	212,619	476,675
Totals.....	47	744	1,414,762	91,645	934,185	3,533,285
Grand Totals, Greater Vancouver.....	1,319	44,365	89,198,410	5,517,558	224,545,644	427,814,793

¹ Includes: Breweries, 3; distilleries, 2; wineries, 1.

² Includes: Batting and wadding, 1; cotton and wool waste, 3; miscellaneous cotton goods, 2.

³ Includes: Miscellaneous woollen goods, 1; woollen cloth, 3.

⁴ Includes: Bags, cotton and jute, 1; cordage, rope and twine, 1; carpets, mats and rugs, 1.

⁵ Includes: Gloves and mittens, fabric, 1; hats and caps, 2.

⁶ Includes: Beekeepers' and poultrymen's supplies, 1; cooperage, 2; hardwood flooring, 1; miscellaneous wood products, 1; wood preservation, 5.

⁷ Including fabricated and structural steel, 2.

⁸ Includes: Automobiles, 1; carriages, wagons and sleighs, 2; railroad and rolling-stock equipment, 1.

⁹ Includes: Asbestos products, 1; brick and tile, 2; cement products, 11; clay products, 1; glass products, 7; gypsum products, 1; miscellaneous non-metallic mineral products, 4; stone products, 6.

¹⁰ Includes: Acids, alkalies and salts, 1; adhesives, 2; coal tar distillation, 1; inks, writing and printing, 2; polishes and dressings, 2; vegetable oil mills, 1.

¹¹ Includes: Hair goods, animal and human, 1; lamps, electric and lamp shades, 2; miscellaneous industries, 1; sporting goods, 2; toys and games, 1; umbrellas, 2.

¹² Head offices of plants not located in Greater Vancouver.

APPENDIX II

Alphabetical List of the Products Reported as having been Manufactured in Canada in 1947

The appended list of the products of Canadian manufacturing industries presents the value and in most cases the quantity of the individual products in a much more detailed form. Prior to 1927, in presenting statistics of manufacturing production, the whole production of an establishment was taken as a unit. This not only prevented the presentation of production figures for specific products in detail, but also involved numerous inaccuracies in the production statistics of classes of commodities, owing to the fact that commodities which may be the major line of production in one establishment may also be products of secondary importance in another establishment where the major line of production puts the establishment into a different class. The statistics which follow, however, have been compiled by taking from the individual returns of each of the 32,734 manufacturing establishments covered, the value and, when given, the quantity of each commodity specified as produced by the establishment. In this way, detailed production figures are obtained for specific commodities and, furthermore, the total production of each commodity is brought together, no matter how varied may be the operations in different establishments producing it. Nevertheless it should be pointed out to those making use of these figures that there is one element of incompleteness about them. In the returns of many manufacturers, products of minor importance are grouped under the name "all other products". As will be seen from the group at the end of the list, the value of products not specified, while they may appear unimportant to the individual manufacturer, are, in the aggregate, a large amount, especially in the industries of the iron and steel group. It is obvious that one manufacturer may consider a product of insufficient importance to report separately for his establishment, while that same product may be reported separately by other establishments. In other words, included in the value of other products not specified at the end of the list, there are doubtless values which, had the products been specified by the manufacturer, would have been included in the values of commodities appearing on the list. However, the products not specified total only about 1.4 per cent in value of the whole manufacturing production, although in the iron and steel group this proportion is 4.6 per cent. With the exception of this group, therefore, the incompleteness of the figures on this account is insignificant.

There is no duplication in the listing of products, nor do any of the items, include products listed in more detail under another name. It is possible, however, that essentially the same commodity produced in different establishments may have been called by different names; in such a case, which is probably a very rare one, the items would appear separately in the following list.

Alphabetical List of Products Manufactured in Canada, 1947

Items	Unit of Measure	Quantity	Value
Abrasive cloth.....	—	—	*
Abrasive paper.....	—	—	*
Abrasive wheels and segments.....	—	—	*
Accelerators, synthetic.....	—	—	*
Acetaldehyde.....	—	—	*
Acetic anhydride.....	—	—	*
Acetone.....	—	—	*
Acetylene.....	cu. ft.	173,501,125	3,050,067
Acid, acetic.....	—	—	*
Acid, calcium phosphate.....	—	—	*
Acid, citric.....	—	—	*
Acid, cresylic.....	lb.	3,863,718	560,251
Acid, fatty, cocoanut, tallow, etc.....	—	—	*
Acid, hydrochloric (muriatic).....	—	—	*
Acid, hydrofluoric.....	—	—	*
Acid, naphthenic.....	—	—	*
Acid, nitric.....	—	—	*
Acid, phosphoric.....	—	—	*
Acid, stearic.....	—	—	*
Acid, sulphuric.....	lb.	1,269,532,550	5,439,951
Acids, not specified.....	—	—	*
Adhesives, n.e.s.....	—	—	577,221
Advertising matter, printed, n.e.s.....	—	—	21,931,666
Advertising novelties (see "Novelties").....	—	—	49,400
Agitators, mining and metallurgical.....	—	—	13,399,460
Agricultural implements and parts, n.e.s.....	—	—	1,810,000
Air conditioning equipment.....	—	—	40,148,078
Aircraft, including parts and repairs.....	—	—	*
Alcohol, butyl.....	—	—	
Alcohol, denatured.....	{Made "Sold	prf. gal. 8,093,259 8,896,863	5,133,717 5,885,738
Alcohol, not denatured.....	{Made "Sold	" 3,211,317 3,346,082	1,670,419 2,087,295
Alkylate.....	gal.	3,333,005	730,175
Alloy, die casting.....	lb.	6,454,526	858,636
Almond paste.....	"	140,087	54,789
Alumina, fused (crude).....	ton	146,433	15,253,482
Alumina, fused (abrasive grains).....	—	—	*
Aluminum fluoride.....	—	—	*
Aluminum hydrate.....	—	—	*
Aluminum sulphate and stearate.....	—	—	911,904
Aluminum products, not elsewhere specified.....	—	—	5,146,414
Ammonia, anhydrous.....	—	—	*
Ammonia, aqua.....	—	—	*
Ammonia, liquid.....	—	—	20,252
Ammonia, liquor.....	—	—	*
Ammonia, powder.....	lb.	5,490,268	291,293
Ammonium chloride.....	—	—	*
Ammonium hydroxide.....	—	—	*
Ammonium nitrate.....	—	—	*
Ammonium phosphate.....	—	—	*
Ammonium sulphate.....	ton	198,127	6,666,792
Ammunition (see Munitions & Supplies).....	—	—	
Amyl acetate.....	—	—	*
Anti-freeze preparations.....	—	—	*
Apple butter.....	lb.	200,923	22,807
Apple pomace, chop and waste.....	"	4,933,207	69,015
Apple juice concentrate.....	gal.	1,222,344	1,223,941
Apples, evaporated and dehydrated.....	lb.	5,981,396	1,191,018
Aprons, fabric.....	doz.	285,198	1,450,120
Aprons, rubber and oiled.....	"	26,934	195,652
Archery tackle.....	—	—	15,806
Arm bands.....	doz.	31,673	64,739
Artware, pottery (see also "Pottery").....	—	—	229,211
Art needlework.....	—	—	123,050
Art work (printing).....	—	—	1,705,076
Asbestos products, clutch facings, gaskets, etc.....	—	—	1,053,709
Asphalt.....	imp. gal.	125,529,095	13,398,090
Asphalt, emulsion.....	"	7,731,862	919,064
Asphalt products, n.e.s.....	—	—	48,580
Atomizers.....	—	—	108,830

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Automobiles, commercial—			\$
5,000 lbs. or less.....	{For sale in Canada For export.....	No. 19,115 " 9,756	16,862,595 7,603,412
5,001 to 10,000 lbs.....	{For sale in Canada For export.....	No. 11,603 " 3,024	11,790,089 2,299,655
10,001 to 14,000 lbs.....	{For sale in Canada For export.....	No. 12,742 " 12,208	15,274,621 11,969,172
14,001 to 16,000 lbs.....	{For sale in Canada For export.....	No. 15,443 " 2,585	24,671,780 2,279,573
16,001 to 19,500 lbs.....	For sale in Canada.....	No. 1,945	4,242,114
19,501 to 26,000 lbs.....	For sale in Canada.....	No. 869	3,065,127
Over 26,000 lbs.....	For sale in Canada.....	No. 566	2,312,779
Other, not specified.....	".....	No. 35	301,640
Automobiles, passenger—			
Convertible cars.....	{For sale in Canada For export.....	No. 166 " 9	196,835 12,327
Permanent closed cars—Coupe.....	{For sale in Canada For export.....	No. 15,999 " 989	17,869,728 1,032,582
2 Door Sedan.....	{For sale in Canada For export.....	No. 39,100 " 55	40,689,236 53,344
4 Door Sedan.....	{For sale in Canada For export.....	No. 71,984 " 23,817	87,756,608 24,503,769
Other closed.....	{For sale in Canada For export.....	No. 988 " 227	1,783,177 315,432
Buses, complete.....	".....	No. 938	14,502,066
Automobiles, not specified.....	".....	No. 23	60,374
Automobile bodies and cabs.....	".....	No. —	10,758,132
Automobile chassis.....	No. 13,923	No. —	7,948,145
Automobile cloth.....	yd. 779,391	No. —	1,689,062
Automobile headlights and parts.....	".....	No. —	2,412,697
Automobile parts and accessories, not specified.....	".....	No. —	86,787,355
Automobile trailers.....	".....	No. —	5,536,903
Awnings and verandah curtains.....	".....	No. —	1,528,241
Axes and hatchets.....	No. 1,215,136	No. —	1,348,493
Axes and shafts, automobile.....	".....	No. —	3,784,679
Axes and parts, not specified.....	".....	No. —	1,949,106
Babies' high chair sets, commodes and other baby supplies.....	".....	No. —	344,071
Babbitt metal.....	lb. 6,511,921	No. —	1,961,280
Badges, rosettes, buttons, etc.....	".....	No. —	688,601
Bags, fabric—			
Cotton.....	doz. 4,001,883	No. —	11,046,376
Jute.....	" 5,421,512	No. —	22,719,224
Cosmetic.....	".....	No. —	119,180
Sleeping.....	No. 21,825	No. —	447,732
Tea (paper and fabric).....	".....	No. —	*
Fabric, not specified.....	".....	No. —	1,110,137
Bags, fabric, repaired and processed.....	".....	No. —	4,743,000
Bags, leather, imitation leather, etc.—			
Club bags and suit cases.....	".....	No. —	4,077,208
Hand bags and parts.....	".....	No. —	5,756,234
School bags.....	".....	No. —	221,370
Bags, paper—			
Glossine and cellophane.....	".....	No. —	2,492,777
Millinery, garment and laundry.....	".....	No. —	635,966
Self-opening.....	".....	No. —	4,180,090
Wedge.....	".....	No. —	636,657
Paper, not specified (incl. multi-wall).....	".....	No. —	11,657,070
Bags, plastic, n.e.s.....	No. 4,247	No. —	179,082
Bags, rubber, air and steam.....	".....	No. —	68,345
Bags, rubber and rubberized.....	No. —	No. —	70,982
Bale ties—Quantity made.....	ton 6,503	No. —	734,825
Quantity sold.....	" 6,330	No. 19	382,788
Ball and rod mills, grinding.....	No. 35,960	No. —	189,181
Balloons.....	gr. 135,971	No. —	618,519
Balls, golf, complete.....	doz. 21,096	No. —	212,227
Balls, soft.....	".....	No. —	952,162
Balls, other, including bladders, centres, etc.....	".....	No. —	366,973
Barley, pot and pearl.....	ton 4,142	No. —	1,202,301
Barn and stable equipment, not elsewhere specified.....	".....	No. —	

NOTE.—The asterisk (*) denotes that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Barrels, wooden—			\$
Apple, etc.....	No.	1,044,308	1,577,818
Fish, slack.....	"	14,908	14,537
" tight.....	"	82,483	188,951
Flour, sugar, etc.....	"	81,785	119,067
Oil, vinegar, water, etc.....	"	386,572	2,228,070
Whiskey, beer, etc.....	"	36,199	450,105
Barrels, steel.....	"	617,280	2,393,818
Barrels, repaired, etc.....	—	—	46,654
Barrels, n.e.s.....	—	—	* 75,990
Barrettes, hair.....	—	—	
Bars, iron and steel—			
Hot rolled, of all grades:			
Quantity made.....	Net ton	481,606	
Quantity sold.....	" "	397,004	33,812,059
All other, including cold rolled and cold drawn, spike rods, bolt stock, etc.			
Quantity made.....	Net ton	166,248	
Quantity sold.....	" "	121,036	11,659,130
Bars and ingots, aluminum.....	lb.	21,584,467	3,378,665
Basket bottoms.....	—	—	79,640
Baskets and crates, fruit and vegetable.....	—	—	3,739,301
Baskets, other, not specified.....	—	—	564,660
Bathing caps.....	doz.	62,339	154,719
Bathing suits.....	"	113,711	2,981,520
Bathrobes, kimonos, lounging jackets, etc.			
Cotton—			
Women's and misses'.....	doz.	17,784	554,560
Children's.....	"	19,496	227,009
Rayon and silk—			
Women's and misses'.....	"	22,595	1,862,967
Men's and youths'.....	"	7,033	623,289
Children's.....	"	2,180	49,466
Wool and flannel—			
Women's and misses'.....	"	6,074	652,201
Men's and youths'.....	"	11,147	1,236,102
Children's.....	"	2,037	92,855
Not specified—			
Women's and misses'.....	"	9,681	491,192
Men's and youths'.....	"	11,018	436,206
Children's.....	"	3,863	60,813
Not specified.....	"	7,087	338,000
Bats, baseball.....	No.	279,692	208,622
Batteries:—			
Storage for automobiles and other internal combustion engines.....	No.	1,536,092	11,186,151
Storage, for railway service.....	no. of cells	13,021	369,950
Storage, for motor cycle starting.....	No.	5,937	31,264
Storage, for telephone switch boards.....	No.	9,864	266,232
Storage, for farm lighting plants.....	no. of cells	61,301	472,604
Storage, for all other purposes.....	—	—	1,229,322
Dry-cell, all kinds.....	—	—	6,520,114
Parts, supplies and complete air-cell batteries.....	—	—	2,228,373
Battery containers.....	No.	8,687,857	1,542,941
Battery separators.....	—	—	*
Batting, wadding, fleeces and rolls (including auto batts).....	—	—	2,894,670
Bearings, ball, roller and parts.....	—	—	2,325,475
Beauty parlour equipment (See Hair dressing accessories)—			
Beds and couches:—			
Metal and iron beds.....	No.	221,291	2,502,736
Studio couches, metal and other.....	"	106,101	5,169,978
Metal couches, other.....	"	13,718	96,401
Metal and other cots and bunks.....	"	70,042	506,191
Cribs, all kinds.....	—	—	411,083
Beds, camp and other, n.e.s.....	—	—	14,211
Bedspreads and bed sets—			
Cotton.....	No.	423,156	2,064,965
Silk and artificial silk.....	"	59,857	355,406
Not specified.....	"	77,324	460,255
Beef extract.....	—	—	*
Beekeepers' supplies, n.e.s.....	—	—	555,961

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1917—Con.

Items	Unit of Measure	Quantity	Value
Beer, ale, stout and porter—			\$
In bulk.....	gal.	54,858,874	49,709,726
In bottles.....	"	106,015,973	144,603,452
Beer, spruce.....	"	224,107	158,534
Beet pulp, wet and dried.....	ton	115,062	790,647
Bells and gongs.....	—	—	29,600
Belting, leather (transmission).....	lb.	711,288	2,000,923
Belts, automobile, fan.....	No.	2,324,245	1,052,874
Belting, rubber.....	lb.	10,742,479	7,623,719
Belts, rubber, not specified.....	No.	1,434,231	1,064,420
Belts and aprons, sanitary.....	—	—	140,262
Belts, body, not specified.....	—	—	2,865,936
Benzol.....	Imp. gal.	5,780,254	1,124,537
Bicycles.....	No.	89,025	2,694,538
Bicycle parts.....	—	—	1,853,905
Billiard and bowling supplies, n.e.s.....	—	—	1,236,751
Binders, loose-leaf and other.....	—	—	1,990,513
Binders, grain and corn.....	—	—	6,433,626
Binding and stitching (trade work).....	—	—	1,461,495
Bindings—(see also "Tapes")			
Cotton.....	—	—	808,916
Silk and artificial silk mixtures.....	—	—	209,753
Other.....	—	—	152,054
Bins and hoppers.....	—	—	203,690
Biological products, n.e.s.....	—	—	2,519,478
Biscuits, plain and fancy.....	ton	57,035	25,628,872
Biscuits, soda.....	"	25,450	9,792,490
Biscuits, pretzels.....	—	—	*
Black, acetylene.....	—	—	*
Blackboards, asbestos.....	—	—	*
Blankets:—			
Cotton.....	pair or	1,814,421	
Cotton warp.....	lb.	5,314,835	4,276,145
Cotton and wool, mixed.....	pair or	2,570	
Wool.....	lb.	16,708	18,378
Slumber throws.....	pair or	198,426	
Not specified.....	lb.	950,877	803,050
Blankets, horse.....	pair or	570,742	
Bleaching compounds.....	lb.	3,150,947	4,295,912
Blinds, venetian (see "Shades and blinds").....	No.	159,486	736,738
Blood, animal, dried, edible.....	—	—	268,457
Blood, animal, dried, inedible.....	No.	101,051	275,764
Blooms, billets and slabs—	ton	2,119,948	
Quantity made.....	"	393,505	18,354,265
Quantity sold.....	doz.	395,834	9,975,608
Blouses, women's and misses'.....	"	101,407	1,189,299
Blouses, children's.....	—	—	*
Blouses and shirtwaists, boys' (see "Shirts").....	—	—	
Blow torches.....	No.	6,976	310,197
Blowers, furnace.....	—	—	49,937
Blowers, not specified.....	—	—	*
Blue, laundry.....	No.	268	369,739
Boats, life and whale.....	"	1,001	1,253,761
Boats, motor.....	"	4,417	796,955
Boats, outboard motor.....	—	—	599,916
Boats, scows, tugs and other craft.....	No.	524	241,755
Boats, sail.....	"	7,053	501,488
Boats, other, including row boats, skiffs, etc.....	—	—	790,200
Boats, other, not specified and parts.....	—	—	1,444,581
Boiler compound.....	No.	19,286	4,899,555
Boilers, heating.....	—	—	5,738,402
Boilers, power.....	No.	157,749	1,684,804
Boilers, range.....	—	—	1,700,116
Boiler parts and accessories.....	lb.	3,936,381	814,462
Bologna and blood pudding.....	—	—	*
Bolt boards.....	—	—	13,891,089
Bolts, nuts and rivets.....	lb.	14,423,310	401,531
Bone and meat meal and flour.....	"	24,392,841	417,896
Bone, raw, ground, etc.....	—	—	

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
\$			
Books, printed and bound, chiefly for advertising.....	—	—	1,756,348
Books, printed and bound, not chiefly for advertising.....	—	—	6,743,093
Books and pads, drawing, exercise scribblers, etc., not elsewhere specified.....	—	—	2,159,393
Books, ledger and account.....	—	—	878,521
Books, counter, check, sales, etc.....	—	—	1,929,443
Books, blank, bound not specified.....	—	—	1,065,279
Boron carbide.....	—	—	*
Bottles, thermos.....	—	—	*
Bowling supplies (see billiard and bowling supplies).....	No.	14,719,060	287,176
Box toes.....	—	—	*
Boxes, mail.....	—	—	
Boxes, paper—			
Corrugated.....	—	—	34,878,602
Fibre board.....	—	—	1,161,796
Folding.....	—	—	23,650,813
Mailing tubes and other round.....	—	—	180,087
Set-up.....	—	—	10,540,605
Not specified.....	—	—	105,680
Boxes, wooden—			
Apple.....	No.	831,454	231,091
Berry.....	"	27,609,150	272,874
Butter.....	"	1,855,876	904,152
Cheese.....	"	1,101,510	491,574
Cigar and tobacco.....	—	—	*
Fish.....	No.	1,917,045	799,108
Meat.....	"	2,269,520	1,038,149
Plywood.....	—	730,293	1,522,863
Boxes, wooden, not specified, including veneer.....	—	—	9,316,180
Boxes, other, not specified.....	—	—	286,552
Box panels, plywood.....	—	—	
Braids and gimp.....	Imp. gal.	241,419	1,630,014
Brake fluid.....	—	—	693,586
Brake beams and parts.....	—	—	317,353
Brakes, auto, and parts.....	—	—	1,563,009
Brakes, brake shoes and parts.....	—	—	1,749,574
Bran.....	ton	429,481	11,652,805
Brass ingots.....	lb.	19,441,596	3,314,809
Brass, bronze and copper products, not specified.....	—	—	529,073
Bread.....	lb.	1,385,307,970	92,139,620
Breakfast foods (see "Cereal products").....	—	—	*
Brewery and distillery equipment, n.e.s.....	—	—	
Bricks, cement.....	M	23,192	567,269
Bricks, from domestic clay.....	"	295,446	7,930,727
Brick, sand-lime.....	"	35,740	546,073
Briquettes, coal and coke.....	—	—	*
Bristles.....	lb.	23,384	13,652
Bronze ingots.....	lb.	9,385,655	1,985,789
Bronze products, n.e.s.....	—	—	2,176
Brooms—			
Corn.....	doz.	263,810	2,323,842
Fibre.....	"	30,735	349,803
Hair.....	"	6,813	184,112
Toy.....	"	12,694	33,879
Other.....	"	972	13,365
Brushes—			
Made of corn and fibre.....	doz.	65,028	68,126
Clothes.....	"	23,081	97,013
Generator and motor.....	—	—	518,507
Hair.....	doz.	99,248	1,182,262
Nail.....	"	82,449	116,077
Paint.....	"	617,584	4,779,669
Shoe.....	"	25,664	64,057
Tooth.....	"	540,872	781,717
For household purposes.....	"	423,186	1,361,419
For industrial use.....	"	133,220	773,728
Other, not specified incl. shaving.....	"	1,789,959	952,670
Brush blocks, backs, etc.....	—	—	110,878
Buckwheat grits, etc.....	—	—	64,030
Buckles, clips, etc.....	—	—	175,950
Buffing composition.....	—	—	103,394
Buffing wheels.....	—	—	213,881
Buffs, polishing, cotton.....	—	—	527,059

Note.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
			\$
Building blocks, hollow, cement, cinder, sand-lime, etc.....	—	—	7,039,520
Bungs, barrel.....	—	—	*
Buns.....	—	—	14,978,504
Burlap.....	—	—	109,580
Burners, lamp.....	—	—	134,078
Butane.....	lb.	51,735,662	657,288
Butter, factory made.....	"	290,655,203	152,936,680
Butter, whey, factory made.....	"	2,226,010	1,032,537
Buttons—			
Celluloid.....	gr.	51,703	306,272
Plastic.....	"	827,939	633,231
Metal.....	"	661,623	236,923
Moulded.....	"	3,981,734	879,523
Pearl.....	"	471,833	303,275
Not specified.....	"	849,275	633,038
Button covering, hemstitching, etc.....	—	—	1,084,716
Butyl acetate.....	—	—	*
Cabinets, ice cream and parts.....	—	—	1,916,412
Cabinets, medicine.....	—	—	13,254
Cabinets, photograph and radio.....	—	—	4,684,541
Cabinets, not specified.....	—	—	230,980
Calcium chloride.....	—	—	*
Calcium carbide.....	—	—	*
Calcium cyanamide.....	—	—	*
Calcium cyanide.....	—	—	*
Calcium naphthenate.....	—	—	*
Calcium phosphate.....	—	—	*
Calcium stearate.....	—	—	*
Calks, horseshoe.....	—	—	89,023
Calks, other.....	—	—	*
Camel back.....	lb.	1,479,560	509,638
Cameras.....	—	—	*
Candles.....	—	—	2,072,958
Canoes.....	No.	4,134	409,131
Cans, paper or fibre, metal ends and other.....	"	167,323,133	2,442,592
Cans, tin, general line.....	—	—	15,348,720
Cans, tin, packers' sanitary.....	—	—	32,393,618
Cans, tin and metal, other.....	—	—	1,876,907
Canvas and canvas goods, not elsewhere specified.....	—	—	193,286
Capacitors, (static condensers) for power factory correction.....	—	—	214,430
Caps—			
Cloth.....	doz.	193,705	1,787,757
Cotton.....	"	84,798	221,082
Fur.....	"	32,407	273,153
Leather.....	"	13,841	148,155
Sport.....	"	50,798	317,465
Uniform.....	"	25,493	454,598
Not specified.....	—	—	36,535
Caps, bottle, paper.....	M	1,573,040	1,001,623
Caps, bottle, metal and plastic.....	—	—	7,295,729
Carbon dioxide gas.....	—	—	*
Carbon dioxide-cylinders.....	—	—	*
Carbon dioxide, solid.....	—	—	*
Carbon bisulphide.....	—	—	*
Carbons, illuminating, for lamps.....	—	—	*
Carbon products, not specified.....	—	—	*
Carburizing chemicals.....	—	—	*
Cards, greeting.....	—	—	6,248,998
Cards, playing.....	—	—	*
Cards, visiting.....	M	38,207	69,770
Carpets, mats and rugs—			
Carpets in rolls incl. stair—			
Axminster.....	carpet yd.	325,524	1,142,283
Wilton.....	"	454,034	2,378,479
Other, not specified.....	"	319,348	642,190
Carpets in squares, 4'6" by 7'6" or larger—			
Axminster.....	"	514,547	1,865,458
Wilton.....	"	146,552	723,188
Small squares and runners—			
Axminster.....	"	55,203	218,597
Wilton.....	"	20,652	102,441

Note.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
			\$
Rugs and carpets, not specified.....	—	—	1,075,592
Rugs made from old carpets.....	—	—	* 77,602
Carpet sweepers.....	—	—	703,888
Carriages and wagons, complete.....	—	—	2,538,706
Carriages, baby.....	No.	137,787	99,282
Carriage and wagon bodies and boxes.....	—	—	387,063
Carriage and wagon materials.....	—	—	*
Carriers, litter.....	—	—	*
Cars, railway, electric.....	—	—	30,837,570
Cars, steam, railway, new.....	No.	5,765	459,880
Cars, dump, hand, push and other, not specified.....	No.	1,017	93,312
Carts, concrete.....	—	—	23,353
Carvings, wood and other.....	lb.	10,109,606	2,220,747
Casein.....	—	—	92,952
Cases, clock.....	No.	2,517,421	510,468
Cases, jewellery.....	—	—	454,916
Cases, key, card, utility, etc.....	No.	227,894	958,331
Cases, portfolio, brief, etc.....	"	548,179	136,697
Cases, writing.....	—	—	535,349
Cases, toiletware and silverware.....	—	—	156,659
Cases, other, not specified.....	No.	101,906	4,501,070
Caskets.....	"	22,509	60,567
Casks, fish.....	—	—	*
Casks, other.....	—	—	
Castings—			
Aluminum.....	lb.	11,966,436	5,264,157
Brass.....	"	25,430,451	7,175,414
Bronze.....	"	4,501,941	1,783,717
Copper.....	"	142,558	51,129
Die.....	—	—	3,866,456
Grey iron.....	ton	212,851	31,967,955
Malleable iron.....	"	33,467	7,629,478
Iron, not specified.....	—	—	218,431
Lead.....	—	—	*
Steel—			
Quantity made.....	net ton	91,173	22,334,517
Quantity sold.....	"	85,517	1,135,933
Castings, not specified.....	—	—	694,014
Castors, all kinds, and parts.....	—	—	6,316,684
Catalogues, printed, etc.....	—	—	
Catsup (see Tomato catsup)			
Ceiling and siding metal.....	—	—	211,601
Cellophane products, not specified.....	—	—	*
Celluloid products.....	—	—	*
Cellulose products, n.e.s.....	—	—	*
Cement, Portland (including containers).....	—	—	23,582,011
Cement, linoleum.....	lb.	2,256,776	147,247
Cement, rubber.....	—	—	274,740
Cements, not specified.....	—	—	782,789
Cement products, not specified.....	—	—	1,265,936
Cereal products, prepared, ready to serve.....	lb.	75,056,940	11,898,879
Cereal products, unprepared.....	"	20,675,135	1,638,426
Cerelose.....	—	—	*
Cerium.....	—	—	*
Certificates, stock, bond, etc., printed.....	—	—	1,701,157
Chains, automobile.....	—	—	1,767,864
Chains, other than automobile, including sprocket chain.....	—	—	4,068,710
Chamois products.....	—	—	350,442
Chaplets, foundry.....	—	—	236,715
Chaps.....	—	—	*
Charcoal.....	—	—	*
Cheese, Canadian cheddar.....	lb.	123,337,530	31,928,861
Cheese, other than cheddar.....	"	1,408,017	475,030
Cheese, creamed.....	"	123,798	45,066
Cheese, skim milk and cottage.....	"	5,551,279	784,829
Cheese, processed and packed.....	"	39,387,323	14,367,406
Cheescloth.....	—	—	422,456
Chemical products, not elsewhere specified.....	—	—	1,480,869
Cheques, notes, drafts, bank notes, etc., printed.....	—	—	1,911,704
Chests, cedar.....	No.	37,238	1,023,178
Chests, stationery.....	—	—	*
Chewing gum.....	boxes	11,504,928	6,432,874
Chicken, canned (see Meats, canned)			

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1917—Con.

Items	Unit of Measure	Quantity	Value
Chicory, roasted.	—	—	\$
Children's wear, not elsewhere specified.	—	—	1,087,121
Chloral.	—	—	*
Chloride of lime.	lb.	3,854,878	134,976
Chlorine, liquid.	lb.	—	*
Chocolate coating.	lb.	12,817,195	3,901,189
Choppers, food.	—	—	480,398
Churns.	—	—	*
Cider (for sale).	gal.	119,231	39,444
Cigars.	M	214,745	14,081,505
Cigarettes.	"	15,687,127	220,649,206
Cinder blocks (see "Building blocks")	—	—	
Classifiers, metal working.	—	—	124,550
Clay, bentonite and other.	—	—	332,093
Cleaners, vacuum and parts.	—	—	5,997,084
Cleaner, hand.	lb.	3,363,891	386,049
Cleaner, fabric, floor and window.	—	—	140,894
Cleaning and scouring powder and paste.	lb.	23,818,167	1,659,161
Cleaning preparations, other.	—	—	1,312,143
Clips and staples, wire.	—	—	*
Clocks.	—	—	2,228,914
Cloth, gummed.	—	—	*
Clothes driers.	—	—	
Clothes pins.	—	—	462,361
Clothes hampers.	—	—	199,324
Clothing, rubber, n.e.s.	—	—	1,005,781
Clothing, safety.	—	—	114,311
Clothing, sport and athletic—			
Jackets and blazers (see Coats, jackets, etc.)			
Suits, play.	doz.	22,065	148,048
Suits, ski, and snow.	No.	520,835	2,998,964
Suits, other.	"	191,609	1,359,936
Slacks.	"	522,758	5,205,066
Shorts.	doz.	12,443	358,157
Parkas and hoods.	"	12,114	574,496
Other sport clothing.	—	—	539,815
Clothing, hospital.	—	—	301,312
Clothing, oiled and waterproofed.	—	—	737,159
Clothing, not specified.	—	—	532,361
Coats and jackets—			
Boys' overcoats and top coats.	No.	53,083	539,963
Men's and youths' overcoats and top coats.	"	755,091	17,840,913
Women's and misses' coats—			
Woollen.	"	1,469,346	31,810,139
Other.	"	28,885	799,320
Children's coats—			
Woollen.	"	659,426	4,976,431
Other.	"	32,199	193,314
Boys' separate jackets—			
Woollen.	"	7,845	55,669
Other.	"	1,200	12,158
Men's and youths' separate jackets—			
Woollen.	"	264,952	3,577,442
Other.	"	33,119	210,741
Women's and misses' separate jackets—			
Woollen.	"	107,085	711,893
Cotton.	"	5,291	55,377
Other.	"	5,551	130,983
Children's separate jackets—			
Woollen.	"	41,014	137,102
Other.	"	24,150	59,506
Windbreakers.	doz.	1,832	11,604,275
Coats and vests, leather, n.e.s.	—	—	405,924
Other sport jackets, not specified.	—	—	94,600
Rubber and rubberized coats.	doz.	10,644	518,187
Oiled and other waterproofed coats.	—	—	5,681,213
Washable coats, smocks, etc. (See Overalls)	doz.	10,599	381,047
Brunch coats and house coats.	—	—	542,514
Other cloth coats, not specified.			
Coats, fur—			
Children's.	No.	529	19,359
Ladies' (coats and capes).	"	214,759	43,121,068
Men's.	"	2,102	416,657
Coats, fur-lined.	"	3,889	267,475

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Coat shells and plates.....	—	—	\$ 1,452,689
Cobalt naphthenate.....	lb.	11,574,741	2,253,583
Cocoa (made for sale).....	lb.	—	
Cocoa butter— Made for own use.....	"	7,175,366	
Made for sale.....	"	3,099,330	1,688,333
Cocoa and chocolate preparations, not elsewhere specified (for sale).....	"	1,774,973	507,147
Cocconut, prepared and desiccated.....	lb.	—	*
Coffee, roasted.....	lb.	66,379,378	27,783,956
Coffee substitute.....	—	—	*
Coffee makers, glass.....	—	—	*
Coffins.....	No.	5,392	93,732
Coffin boxes (shells).....	—	—	454,529
Coils.....	—	—	*
Coke, gas-house.....	Ton	3,514,151	39,339,891
Coke, petroleum.....	"	78,125	598,215
Coke, pitch.....	—	—	*
Cold storage equipment.....	—	—	453,000
Collars and cuffs, men's.....	—	—	109,973
Collars, fur.....	No.	66,871	831,996
Colours, butter, cheese and other.....	—	—	234,450
Colours, dry.....	—	—	3,016,173
Colours, in oil and japan.....	—	—	*
Combs.....	—	—	1,369,535
Comforters— Cotton.....	No.	67,450	266,876
Down.....	"	12,570	211,339
Wool.....	"	54,601	376,607
Not specified.....	"	18,692	90,575
Communication systems (see radio communication equipment).....	—	—	*
Compacts, powder and rouge.....	No.	26,046	4,505,127
Compressors, air.....	—	—	2,370,800
Concentrates used for soft drinks.....	cu. yd.	540,504	4,761,997
Concrete, ready-mixed.....	lb.	18,547,150	2,228,008
Conduit, electrical, rigid iron.....	ft.	5,725,911	246,952
Conduit, electrical, flexible.....	—	—	1,012,855
Conduit fittings.....	—	—	3,128,852
Conduit and parts, not specified.....	M	361,652	942,305
Cones, ice cream.....	—	—	*
Cones and tubes, textile winding.....	—	—	
Confectionery, chocolate— In bulk.....	lb.	13,077,401	4,688,356
In bars.....	doz.	45,793,286	21,148,840
In packages.....	lb.	20,753,745	11,188,990
Not specified.....	"	136,443	92,050
Confectionery, sugar— In bulk.....	lb.	48,241,445	11,097,302
In bars.....	doz.	2,684,096	1,168,543
In packages.....	lb.	11,576,722	4,217,394
Penny goods.....	gr.	2,128,151	2,103,085
Lozenges.....	lb.	1,284,389	318,821
Confectionery, not specified.....	—	—	597,545
Containers, not elsewhere specified.....	—	—	68,476
Control and starting equipment, not elsewhere specified.....	—	—	6,160,158
Converter equipment, electrical.....	—	—	1,055,032
Coolers, milk and other.....	No.	11,042	1,920,088
Cooperage products, not specified.....	—	—	9,866
Copper alloys.....	lb.	480,588	121,776
Copper naphthenate.....	—	—	*
Copper and copper products, not specified.....	—	—	638,073
Cores, for paper rolls.....	M. ft	9,750	642,198
Cores, textile winding.....	—	—	188,438
Cork products.....	—	—	*
Corks and stoppers.....	Ton	3,954	240,408
Corn, cracked.....	—	—	
Corsets, girdles, brassieres, etc.— Corsets and girdles.....	doz.	194,119	5,906,143
Combination garments.....	"	35,139	1,634,579
Bandeaux, brassieres, etc.....	"	528,564	5,597,069
Suspender girdles, shoulder straps, etc.....	—	—	597,069
Corset steels and clasps.....	—	—	*
Cosmetic containers and accessories, n.e.s.....	—	—	306,345
Cotter pins.....	—	—	344,237

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Cotton fabrics—			\$
Unbleached or grey.....	lb.	53,134,243	
Bleached or white.....	yd.	152,944,643	36,121,522
Yarn and stock dyed.....	lb.	8,961,604	
Piece dyed.....	yd.	33,204,371	8,042,616
Printed and painted.....	lb.	17,319,783	
Pillow cotton.....	yd.	29,434,742	10,839,885
Not specified.....	lb.	12,667,799	
Counters, shoe.....	yd.	41,377,348	12,277,430
Couplings, flexible.....	lb.	12,950,780	
Coverings, boiler and pipe, asbestos.....	yd.	54,619,453	13,120,364
Covers, canvas.....	lb.	178,378	
Covers, couch, table, and other furniture.....	yd.	540,194	149,729
Covers, mattress.....	—	—	3,959,752
Covers, stockinette, meat.....	pr.	26,430,641	502,971
Covers, radiator, fabric.....	—	—	139,966
Covers, seat, automobile.....	—	—	604,001
Covers, not specified.....	—	—	1,726,587
Cracklings.....	doz.	—	412,172
Crayons, wax and chalk.....	lb.	6,670	75,945
Cream, sold in dairy factories.....	lb. B.F.	57,481,917	1,768,404
Cream, whey, sold in dairy factories.....	"	28,871,175	238,516
Cream of tartar, refined.....	"	833,899	24,341,927
Cream separators.....	lb.	173,313	391,106
Cresols.....	—	—	138,714
Croquet sets.....	—	—	1,752,996
Cross arms.....	—	—	*
Croton aldehyde.....	—	—	347,896
Crucibles, clay.....	—	—	*
Crushers and parts.....	No.	24	166,344
Cuffs, fur.....	pr.	1,337	25,249
Cultivators.....	No.	29,305	2,931,330
Cups, paper, drinking and baking.....	—	—	1,456,961
Curds, cheese.....	lb.	95,726	28,960
Curtains, shower.....	—	—	139,834
Curtains and curtain materials.....	—	—	3,504,229
Curtain rods and fixtures.....	—	—	754,739
Cushions.....	—	—	352,894
Cushion forms.....	No.	125,481	97,716
Cushions and mattresses, air and sponge.....	—	—	43,108
Cutting blocks and tables, butchers.....	—	—	120,367
Cutlery, all kinds.....	—	—	642,628
Dairy products, not specified.....	—	—	218,564
Dairy equipment, not specified.....	—	—	605,625
Daters.....	—	—	72,727
Decorations, including party favours, confetti, etc.....	—	—	768,925
D.D.T.....	—	—	*
Dentifrices.....	—	—	4,430,650
Dentists' supplies, not elsewhere specified.....	—	—	328,807
Deodorant.....	—	—	727,869
Desk sets.....	—	—	50,567
Detergents.....	—	—	5,567,640
Dextrine.....	—	—	1,083,806
Dextrose (see Glucose).....	—	—	*
Diamonds (gems).....	—	—	144,299
Diaries, printed, etc.....	—	—	*
Dibutyl phthalate.....	—	—	*
Dicyandiamide.....	—	—	*
Dies, stamping, drawing and cutting.....	—	—	673,990
Dies, metal-working, n.e.s.....	—	—	1,862,993
Dies, taps and stocks.....	—	—	164,275
Dies, rubber, n.s.....	No.	19,292	139,922
Discs, agricultural.....	—	—	4,342,744
Dishcloths.....	—	—	121,454
Dish washers, electrical, commercial.....	—	—	718,728
Disinfectants.....	—	—	

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
			\$
Display forms and mounting.....	—	—	1,618,331
Ditchers—blade.....	—	—	*
Distillers' grain (See Grain, distillers')	No.	90,560	44,289
Dog collars.....	—	—	253,593
Dolies, paper, dinner cloths, etc.....	—	—	2,098,747
Dolls of all kinds.....	—	—	28,780
Dolls' furnishings and parts.....	—	—	409,773
Doors, metal clad.....	—	—	*
Doors, veneer and plywood.....	—	—	3,175,410
Doughnuts.....	M. lin. ft.	63,504	571,047
Dowels.....	—	—	*
Down.....	—	—	494,397
Draperies and drapery material.....	—	—	216,469
Drapes, paper.....	—	—	
Dresses, women's and misses—	No.		
Cotton (See also Coats, brunch coats, house coat, etc.).....	3,345,849	8,860,997	
Linen.....	"	93,968	454,111
Artificial silk and mixtures.....	"	6,473,931	42,406,184
Velvet.....	"	106,546	1,115,088
Woolen.....	"	454,998	4,647,434
Not specified.....	"	10,391	58,626
Dresses, children's—	No.		
Cotton.....	1,796,922	2,167,665	
Artificial silk and mixtures.....	"	1,043,043	1,830,539
Woolen.....	"	103,275	374,597
Not specified.....	"	77,210	138,717
Dressing gowns, negligees (see Bathrobes) etc.	lb.	8,389,099	2,965,624
Dressing, salad.....	—	—	632,125
Dressings and finishes—leather.....	—	—	200,471
Drilling machines.....	—	—	
Drills, grain and fertilizer.....	No.	3,116	656,682
Drills, grain, press and plain.....	"	10,899	2,815,312
Drills, twist and other.....	—	—	4,319,206
Drills, mining and metallurgical.....	—	—	2,335,721
Drives, V-belts.....	—	—	784,177
Druggists' sundries—			
Hot water bottles.....	doz.	57,658	437,500
Nipples and soothers.....	doz.	601,244	178,578
Ice caps and collars.....	"	4,776	33,338
Not specified.....	—	—	9,568
Drums, veneer and plywood.....	No.	330,548	501,749
Dyeing, finishing, shrinking, etc.†			
Dyeing and finishing of textiles.....	yd.	84,944,696	6,440,732
Dyeing and finishing of yarns.....	lb.	2,665,770	916,803
Dyeing and finishing of other products.....	—	—	205,514
Bleaching, sponging, dyeing, etc. custom.....	—	—	2,426,586
Dyes, blended and packaged.....	—	—	361,227
Dyes and dressings, leather.....	—	—	40,583
Ear muffs.....	—	—	59,800
Eavetrough and pipe.....	—	—	665,919
Economizers.....	—	—	*
Egg cases.....	—	—	1,192,652
Egg substitute, including powdered albumen.....	—	—	21,587
Eggs, frozen.....	—	—	*
Eiderdown (see "Woolen cloth")			
Elastic products, not elsewhere specified.....	—	—	9,012
Electric heating elements (sold separately).....	—	—	440,681
Electrical apparatus, parts and supplies, not elsewhere specified.....	—	—	9,370,713
Electrical instruments and meters, except ammeters for autos.....	—	—	6,515,812
Electrodes, carbon and graphite.....	—	—	*
Electrotyping and stereotyping.....	—	—	3,455,360
Elevator parts.....	—	—	2,104,985
Elevators, freight and passenger.....	—	—	7,776,409
Embalming fluid.....	—	—	160,707
Emblems, badges and medals.....	—	—	513,347
Embossing.....	—	—	147,341
Embroideries and laces.....	—	—	2,865,611
Enamel frit.....	—	—	*
Enamels, oil and synthetic.....	imp. gal.	4,432,029	16,536,414
Engines, auto.....	—	—	*
Engines, auto, parts.....	—	—	*
Engines, gasoline.....	No.	63,546	4,486,095

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

† See footnote on page 165.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
			\$
Engines, steam.....	No.	43	60,377
Engines, diesel and other, not specified.....	—	—	4,035,832
Engine and turbine parts.....	—	—	1,734,805
Engraving (Trade work).....	—	—	304,012
Ensilage cutters.....	No.	500	158,559
Envelopes, made.....	—	—	6,983,230
Envelopes, printed.....	—	—	3,695,425
Ethyl acetate.....	—	—	*
Evaporators, commercial.....	No.	8,968	1,188,799
Eveners.....	—	—	*
Excelsior, paper.....	—	—	*
Excelsior, wood.....	ton	7,133	280,631
Excelsior pads, wrappers, etc.....	No.	13,333,788	252,921
Explosives.....	—	—	10,125,706
Extracts, flavouring (bakers', confectioners' and household).....	gal.	496,617	3,837,729
Extracts, flavouring, etc. (used for soft drinks).....	—	—	1,203,145
Eyes, artificial.....	—	—	*
Fabrics, coated and impregnated, not elsewhere specified.....	—	—	5,209,507
Fabrics, rubberized and waterproofed.....	—	—	441,414
Fabrics, not specified.....	—	—	428,706
Facing and parting, foundry.....	—	—	230,119
Fanning mills.....	—	—	*
Fans, electric.....	No.	104,332	922,113
Fasteners, zipper.....	—	—	5,443,274
Fasteners of all kinds, n.e.s.....	—	—	381,726
Fats, n.e.s.....	lb.	519,386	84,991
Feathers, millinery.....	—	—	414,229
Feed, chopped grain.....	—	—	60,881,250
Feed mixers.....	No.	2,035	75,540
Feed, stock, poultry, etc. (see Foods).....	—	—	
Felt, coated and saturated (see Fabrics).....	—	—	
Felt, cotton.....	lb.	6,142,314	\$43,814
Felt, hair and jute.....	"	666,246	180,678
Felt, harness and athletic.....	"	541,147	281,575
Felt, for pulp and paper making.....	"	4,522,414	7,090,940
Felt, padding.....	—	—	560,407
Felt, paper (see Paper).....	lb.	268,395	139,928
Felt, insole.....	"	568,805	526,423
Felt, shoe and gaiter.....	sq. yd.	—	2,083,971
Felt, not specified.....	—	—	138,236
Fences, electrical and equipment.....	—	—	2,642,568
Fencing, wire.....	ton	22,675	748,464
Fencing, chain link.....	—	3,453	750,919
Fencing, snow.....	—	—	
Ferric chloride.....	—	—	
Ferro-alloys, (ferro-silicon, ferro-chrome, ferro-manganese, silicon spiegel, etc.).....	ton	226,794	20,264,044
Ferro-phosphorus.....	—	—	*
Fertilizers.....	—	—	22,017,450
Fertilizer sowers.....	No.	830	3,1,035
Fibre staple (art. silk).....	—	—	*
Files, nail.....	—	—	*
Files and rasps.....	—	—	*
Filing system supplies.....	—	—	1,686,529
Filling, pie, apple, canned.....	lb.	10,525,043	909,208
Filling, pie, apple, other.....	"	676,405	68,100
Filling, pie, other than apple, canned.....	"	607,339	82,929
Filling, pie, other than apple, not canned.....	"	2,220,643	333,632
Filling, pie, powder.....	"	1,700,529	411,583
Film, motion picture.....	—	—	*
Films, photographers.....	—	—	*
Filters and filter presses.....	—	—	539,642
Fire clay.....	ton	3,960	33,907
Fire extinguishers and supplies.....	—	—	956,074
Fire fighting and fire protection equipment, n.e.s.....	—	—	1,650,614
Fireplaces and furnishings.....	—	—	505,350
Fireworks (see Pyrotechnics).....	lb.	191,507,664	46,904,511
Fish, canned.....	—	—	15,833,616
Fish, otherwise prepared.....	—	—	34,720,543
Fish, fresh, marketed for consumption, sold in factories.....	—	—	1,852,331
Fishing nets.....	—	—	

Note.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Fishing tackle.....	—	—	1,850,557
Fittings, ship.....	—	—	162,783
Fixtures, lighting, exterior.....	—	—	1,350,173
Fixtures, lighting, interior.....	—	—	11,740,847
Fixtures, lighting, not specified.....	—	—	385,372
Flags and bunting.....	—	—	212,562
Flashlight cases.....	—	—	328,587
Flatware, electro-silver plated and sterling.....	—	—	6,860,967
Flavorings, tobacco.....	lb.	853,029	295,954
Flax fibre.....	ton	2,468	457,649
Flax products.....	—	—	*
Floor covering, including oilcloths, etc.....	M. ft. b.m.	48,295	7,289,166
Flooring, hardwood.....	—	—	*
Floor tile and joists, steel.....	—	—	*
Flotation machines (mining and metallurgical).....	—	—	15,000
Flour, barley.....	lb.	618,965	34,460
Flour, buckwheat.....	"	4,838,813	221,615
Flour corn.....	—	—	*
Flour diastatic.....	—	—	*
Flour, potato (see "Starch and Flour").....	lb.	5,919,441	507,246
Flour, preparations for sausage fillings.....	"	31,736,750	3,310,650
Flour, prepared and self-raising.....	"	4,324,254	303,995
Flour, soya bean.....	bbl.	5,983,484	43,803,289
Flour, wheat—			
Spring, No. 1 patent.....	"	5,464,146	34,518,386
Spring, No. 2 patent.....	"	14,453,047	117,471,396
Spring, No. 3 patent.....	"	757,368	4,797,659
Ontario winter, straight.....	"	856,698	4,054,453
Low grade flour.....	"	828,955	4,984,583
All other.....	"	314,191	1,743,192
Flour, graham or whole wheat.....	ton	—	*
Flour, rice.....	ton	2,592	276,328
Flour, rye.....	—	—	1,151,912
Flowers, artificial.....	—	—	407,153
Flue linings.....	—	—	*
Fly pads and paper.....	—	—	*
Fly swatters.....	—	—	*
Foil of tin, lead and aluminum.....	—	—	8,643,132
Folding (trade work).....	—	—	180,670
Food drinks, liquid.....	gal.	2,763,005	1,774,443
Food, fox, dog, etc.—	ton	—	*
Fox biscuits.....	"	1,294	144,161
Dog biscuits.....	"	2,045	410,589
Canned dog food.....	"	7,537	1,635,602
Other dog food.....	"	6,818	945,381
Other fox food.....	"	9,580	1,133,425
Rabbit, turtle and other animal food.....	"	8,858	792,152
Food, stock.....	"	809,877	44,929,014
Food, poultry.....	"	857,674	53,917,744
Food, stock and poultry, n.e.s.....	"	172,139	9,855,370
Food, poultry, stock, etc. ingredients.....	—	—	*
Food mixers.....	—	—	*
Food, infant and invalid.....	lb.	4,829,391	1,319,139
Food, infants', canned.....	"	20,280,162	4,736,446
Food products, not specified.....	"	634,623	225,013
Foots, vegetable oil.....	"	2,960,025	95,239
Footwear, leather—	—		
Felt upper—	pr.		
Babies'.....	"	54,778	73,960
Boys'.....	"	103,859	184,137
Children's, including little gents.....	"	86,495	147,564
Men's.....	"	647,524	1,387,558
Youths'.....	"	33,534	58,702
Misses'.....	"	121,716	223,995
Women's and growing girls'.....	"	215,211	333,681
Leather or fabric upper—	—		
Babies'.....	"	2,918,873	3,502,846
Boys'.....	"	1,262,108	3,356,755
Children's.....	"	1,857,354	3,445,144
Misses'.....	"	2,173,416	4,286,967
Men s.....	"	7,949,040	36,178,757
Youths'.....	"	358,623	824,846
Women's and growing girls'.....	"	12,880,234	43,274,361

Note.—The asterisk indicates that the commodity was reported by only one or two concerns

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
			\$
Footwear, shoe packs, larrigans, moccasins, etc.—			
Babies'.....	pr.	15,180	4,080
Boys'.....	"	50,616	79,873
Children's.....	"	5,720	6,758
Men's.....	"	233,060	557,764
Youth's.....	"	12,035	17,573
Women's, misses' and growing girl's.....	"	103,064	178,121
Not specified.....	"	-	4,832
Footwear, rubber—			
Knee and hip boots, all rubber.....	"	4,346,312	7,866,688
Lumbermen's boots, all rubber.....	"	1,404,774	2,267,434
Lumbermen's boots, leather tops.....	"	411,271	1,900,276
Rubbers, light and heavy, incl. Jersey storms.....	"	5,505,216	4,002,153
Overshoes and galoshes.....	"	5,908,015	12,189,478
Rubber soled, fabric tops.....	"	6,373,480	6,549,493
Rubber soled, leather tops.....	"	277,338	743,886
Rubber bottoms for leather tops.....	"	247,765	398,962
Not specified.....	"	4,659	8,956
Forgings, including drop, shell, etc.		-	11,199,221
Forks, farm implements.....	No.	638,644	600,664
Forms, continuous, printed.....	"	-	5,531,352
Fountains, soda.....	"	-	885,828
Frames and cases, spectacle.....	"	-	*
Freezers, ice cream.....	"	-	*
Fringes, cords and tassels.....	"	-	518,831
Fruit drinks.....	"	-	169,064
Fruit juices, canned (see also "Grape juice").....	lb.	28,188,056	1,769,288
Fruit concentrate (see "Apple and grape concentrate").....	lb.	160,615	51,109
Fruit juices, other.....	"	2,987,392	723,310
Fruit peel, candied.....	"	679,938	85,939
Fruit pulp.....			
Fruits, canned—			
Apples, including crab apples.....	"	15,986,760	1,169,055
Apple sauce.....	"	11,009,673	1,156,674
Apricots.....	"	4,418,264	708,154
Blackberries.....	lb.	184,134	27,157
Blueberries.....	"	2,780,853	523,999
Cherries.....	"	7,373,325	1,483,175
Loganberries.....	"	295,006	64,871
Peaches.....	"	34,589,486	5,046,047
Pears.....	"	23,803,617	3,650,086
Plums.....	"	19,025,660	1,630,677
Raspberries.....	"	1,272,647	306,964
Rhubarb.....	"	1,226,085	81,325
Strawberries.....	"	3,055,861	633,728
Other fruits not specified, (Grapefruit, pineapple, etc.).....	"	2,974,578	680,749
Fruits, fountain.....	lb.	4,497,850	1,919,828
Fruits, glace.....	lb.	4,293,149	1,578,087
Fruits for re-processing.....	"	30,442,904	4,234,863
Fruits, frozen, for re-processing.....	"	6,089,981	1,005,063
Fruits, frozen, not for re-processing.....	"	4,284,193	924,781
Fuel, hog.....	unit	239,322	292,228
Funnels, sheet metal.....	"	-	45,668
Fur dressing and dyeing.....	"	-	4,530,478
Fur trimmings.....	"	-	1,432,070
Fur, remodelling, etc.....	"	-	5,858,189
Furnaces, electro-metallurgical.....	"	-	547,692
Furnaces, hot air.....	"	-	5,826,549
Furnaces, industrial, other.....	"	-	145,406
Furnaces, not specified, and furnace parts.....	"	-	492,242
Furniture—			
Bedroom.....	"	-	22,227,871
Breakfast room.....	"	-	3,511,607
Dining room.....	"	-	4,272,265
Kitchen.....	"	-	3,338,542
Living room.....	"	-	22,058,441
Other household.....	"	-	9,674,110
Office, steel and masonite.....	"	-	3,349,018
Office and store furniture and fixtures.....	"	-	9,410,389
Steel and metal, not specified.....	"	-	552,403
Children's.....	"	-	1,857,844
School, lodge, church and theatre.....	"	-	2,602,294
Camp, lawn and verandah.....	"	-	668,053

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Furniture— <i>Concluded</i>			\$
Wicker, fibre, reed and rattan, not specified.....	—	—	42,867
Furniture, not specified, and other cabinet work.....	—	—	2,893,156
Furniture frames and parts.....	—	—	2,688,605
Fuses and fuse wire.....	—	—	2,326,772
Gaiters, spats and leggings.....	—	—	142,696
Galvanized ware.....	—	—	2,120,854
Games, not specified.....	—	—	643,712
Garages and parts, metal.....	—	—	20,060
Garage equipment, n.e.s.....	—	—	478,638
Gas made—			
Retort coal gas.....	M. cu. ft.	9,899,523	
Coke oven gas.....	"	45,770,402	
Producer gas.....	"	1,361,332	
Water gas.....	"	7,768,204	
Not specified.....	"	208,215	
Gas sold.....	"	22,947,000	22,435,440
Gas used in heating ovens, retorts or gas plants.....	"	17,862,758	2,663,788
Gas used in associated metallurgical work.....	"	22,673,155	2,213,138
Gas, otherwise accounted for, but not sold.....	"	273,097	91,664
Gas, not accounted for.....	"	2,117,299	995,421
Gas, still, from petroleum refineries.....	"	11,400,531	4,669,562
Gas, oil, pintsch.....	—	—	*
Gasoline.....	imp. gal.	1,074,549,865	143,342,382
Gates.....	No.	17,682	248,334
Gauges, not specified.....	—	—	414,483
Gears, wagon.....	—	—	1,555,454
Gears, transmission.....	—	—	1,795,758
Gelatine.....	—	—	*
Generators—			
Alternating current.....	No.	111	2,140,697
Direct current.....	—	—	651,742
Generator parts.....	—	—	86,245
Glass, bent.....	—	—	53,952
Glass, bevelled and polished edge.....	—	—	609,604
Glass, chipped or etched.....	—	—	116,893
Glass, cut.....	—	—	526,538
Glass, fibre.....	—	—	*
Glass, flat sheet and window.....	—	—	*
Glass, leaded, including memorial windows.....	—	—	182,704
Glass, non-shatterable.....	—	—	*
Glass, pressed and blown.....	—	—	22,049,023
Glass vials and chemical glassware.....	—	—	616,165
Glass products, other, including windshield glass.....	—	—	1,912,003
Gloves, mittens and gauntlets, fabric—			
Dress—			
Cotton, men's.....	doz. pr.	33,840	79,603
" women's.....	"	35,005	415,519
" children's.....	"	3,343	25,257
Artificial silk and mixtures, all types.....	"	105,164	893,006
Not specified.....	"	54,435	380,154
Work—			
Cotton, men's.....	"	618,520	1,477,861
" women's.....	"	8,410	19,975
Wool.....	"	14,936	92,274
Not specified.....	"	76,702	326,677
Knitted, all kinds.....	"	255,681	1,906,194
Gloves and mittens, leather, dress—			
Men's, lined.....	"	83,445	1,531,229
Men's, unlined.....	"	47,781	1,092,110
Women's and children's, lined.....	"	39,193	450,694
Women's and children's, unlined.....	"	84,702	1,911,916
Gloves and mittens, leather, work—			
Men's, lined.....	"	79,050	967,775
Men's, unlined.....	"	434,139	4,439,482
Gloves and mittens, leather, and other, not specified.....	—	—	896,004
(See also: "Sport gloves")			
Gloves and mittens, fur and fur-lined.....	pr.	25,836	29,659
Gloves, rubber and rubberized.....	doz. pr.	90,247	573,781
Glucose and dextrose.....	ton.	35,135	4,741,468
Glue (bone, hide, fish and vegetable).....	lb.	43,905,431	5,426,932
Glue stock.....	"	49,934,345	621,805

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Gluten feed.....	ton.	37,708	1,590,965
Glycerine, crude.....	lb.	1,679,848	331,232
Glycerine, refined.....	"	9,414,446	2,756,743
Glycerine substitute.....	"	—	*
Goggles, sun.....	"	—	*
Gold alloys.....	"	—	2,350,041
Gold, fine.....	"	—	2,240,256
Gold, leaf.....	"	—	—
Golf supplies, including golf bags, sticks, heads, etc.....	ton.	—	702,092
Grains, sold wet and dry (breweries and distilleries).....	ton.	161,520	1,674,072
Granite, monuments.....	"	—	3,374,304
Granite, for building purposes.....	"	—	230,715
Granules, roofing.....	"	—	*
Grape concentrate.....	lb.	5,649,508	875,944
Grape juice.....	"	—	*
Graphite powder.....	"	—	184,398
Grate bars and grating.....	"	—	58,688
Gravy preparations.....	lb.	41,562,083	2,717,508
Grease.....	No.	214,545	1,172,323
Grease, lubricating.....	"	—	363,492
Grills and hot plates, electric.....	"	—	1,687,451
Grinding machines.....	"	—	*
Grinding balls.....	"	—	*
Guanidine nitrate.....	"	—	*
Gums, unvulcanized.....	lb.	817,701	248,639
Gymnasium supplies, not specified.....	"	—	24,050
Gypsum blocks.....	"	—	*
Hair, animal, raw.....	lb.	6,322,035	2,069,863
Hair cloth.....	"	—	*
Hair nets.....	"	—	158,124
Hair goods.....	"	—	121,971
Hair wavers, curlers, pads, etc.....	"	—	730,219
Halters, leather.....	No.	54,294	107,241
Hammers, forging.....	"	—	*
Hammocks.....	No.	568	10,711
Handkerchiefs.....	doz.	1,201,800	1,411,574
Handles, broom and mop.....	No.	10,498,496	588,421
Handles, long tool and axe.....	"	4,524,245	1,343,461
Handles, small tool.....	"	18,279,206	607,639
Handles, n.s.....	"	—	302,293
Hangers, garment.....	"	—	609,184
Hardware, automobile.....	"	—	2,107,331
Hardware, builders'.....	"	—	5,903,911
Hardware, furniture.....	"	—	848,533
Hardware, harness and saddlery.....	"	—	481,425
Hardware, pole-line.....	"	—	4,388,444
Hardware, not specified.....	"	—	2,792,939
Harness, double.....	set	7,189	428,021
Harness, single.....	"	2,398	109,085
Harness collars.....	No.	83,916	400,735
Harness parts.....	"	—	1,267,267
Harrows.....	"	—	2,331,823
Hassocks.....	"	—	240,557
Hat blocks.....	"	—	73,852
Hats, cotton —	doz.	22,471	391,389
Men's.....	"	3,458	42,000
Women's and children's.....	"	—	*
Hats, fur felt —	"	145,364	7,612,549
Men's.....	"	51,113	2,581,824
Women's.....	"	1,121	14,878
Children's.....	"	29	3,6
Not specified.....	"	—	*
Hats, wool, felt —	"	41,235	670,475
Men's.....	"	173,315	3,687,572
Women's.....	"	12,682	151,559
Children's.....	"	1,828	5,021
Hats, velour felt, women's.....	"	—	*
Hats, straw —	"	1,951	38,843
Men's.....	"	82,024	2,399,247
Women's.....	"	20,994	55,119

Note.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Hats, panama. Included under, "Headwear, not specified".			\$
Hats, silk and crepe, women's.....	doz.	4,712	152,281
Hats, velvet.....	"	2,699	55,692
Hats, wool, women's and children's.....	"	3,942	51,964
Hats, waterproofed.....	"	2,886	26,436
Hats, not specified—			
Men's.....	"	25,932	233,148
Women's.....	"	36,022	683,826
Children's.....	"	1,856	24,949
Tams, berets, and turbans.....	"	10,642	130,510
Headwear, not specified.....	"	—	437,970
Hats, cleaned and reblocked.....	"	1,815	20,814
Hat bodies.....	"	363,127	3,378,331
Hatters' supplies, incl. hat linings.....	—	—	89,696
Hay loaders.....	No.	4,156	496,397
Hay rakes, dump, tedders, etc.....	"	14,604	1,076,665
Heading, barrel.....	—	—	680,500
Hearing aids.....	—	—	*
Heaters, air, electric.....	—	—	473,318
Heaters, auto and engine.....	No.	158,602	1,532,203
Heaters, boiler, feed, water.....	—	—	303,449
Heaters, water tank, electric.....	No.	120,998	1,089,666
Heaters, water tank, gas.....	"	25,391	862,768
Heaters, water tank, cast iron.....	—	—	268,626
Heaters, not specified.....	—	—	21,990
Heaters, electric, unit.....	—	—	2,978,709
Heating and ventilating equipment, not elsewhere specified.....	—	—	3,981,932
Heels, leather and wood.....	pr.	18,358,377	1,837,944
Heels, rubber and composition.....	"	18,001,442	1,388,164
Helmets.....	—	—	163,697
Hides, all kinds.....	—	—	12,651,767
Hockey pucks.....	doz.	17,016	17,105
Hockey sticks.....	"	74,703	615,638
Hoes, hand.....	No.	313,756	201,193
Hoists.....	—	—	2,536,778
Holders, cigar and cigarette.....	—	—	*
Hollow-ware, sterling silver.....	—	—	346,678
Hollow-ware and spinnings, aluminum, brass and copper.....	—	—	23,527
Hollow-ware, electro-silver plated.....	—	—	3,257,099
Hollow-ware, other.....	—	—	284,040
Honey butter.....	lb.	8,905	2,582
Hooks, eyes, notions, etc., not elsewhere specified.....	—	—	117,425
Hoops, wooden.....	M	2,412	64,190
Hoops, steel.....	"	5,518	146,398
Hoops, bands and strips, hot and cold rolled (sold).....	—	—	*
Hoovers and horns.....	lb.	1,398,305	54,483
Horseradish, prepared.....	"	255,777	102,747
Horseshoes.....	—	—	576,642
Hose, fire, unlined, linen.....	—	—	*
Hose, rubber.....	—	—	7,360,801
Hosiery—			
Cotton and cotton mixtures—			
Men's Seamless—			
Work socks.....	doz.	187,029	458,149
Fine socks.....	"	386,006	1,488,761
Other (anklets, sports, etc.).....	"	119,426	430,060
Women's Seamless—			
Full length stockings.....	"	435,895	1,547,915
Other (anklet, sports, etc.).....	"	432,012	1,040,164
Children's Seamless—			
Full length stockings.....	"	287,999	894,742
Golfers.....	"	149,250	472,194
Other.....	"	700,459	1,343,152
Full fashioned (all types).....	"	174,884	1,385,803
Silk and silk mixtures, seamless and full-fashioned.....	"	12,457	595,439
Rayon and rayon mixtures—			
Men's, seamless.....	"	56,697	260,846
Women's, seamless.....	"	284,096	1,121,855
Children's, seamless.....	"	167,174	404,197
Full fashioned (all types).....	"	500,632	3,869,387
Synthetic fibres (nylon, etc.)—			
Seamless.....	"	151,596	1,303,061
Full fashioned.....	"	2,134,843	21,874,017

Note.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947

Items	Unit of Measure	Quantity	Value
Hosiery—Concluded			\$
Wool and wool mixtures—			
Men's Seamless—			
Work socks.....	doz. prs.	616,679	3,238,605
Fine socks.....	"	863,525	6,726,907
Other.....	"	214,229	1,125,207
Women's Seamless—			
Full length stockings.....	"	95,883	651,830
Other (anklets, etc.).....	"	186,837	721,364
Children's Seamless—			
Full length stockings.....	"	285,345	
Golfers.....	"	167,313	
Other (half length, anklets, etc.).....	"	124,159	
Full fashioned (all types).....	"	62,855	
Hosiery, not specified.....			
Houses, pre-fabricated.....			
Humidifiers and air conditioners.....			
Hydrants.....			
Hydrogen.....	cu. ft.	72,740,878	
Hydrogen chloride.....			
Hydrogen peroxide.....			
Hydrol.....			
Ice, artificial.....	ton	824,808	
Ice cream (factory).....	gal.	21,162,909	
Ice cream mix.....	"	1,719,000	
Ice cream sundries.....			
Icings and icing paste, n.e.s.....	lb.	330,794	
Implements, hand, n.e.s.....			
Incense.....	lb.	8,568	
Incubators and other poultrymen's supplies.....			
Infants' wear, not specified.....			
Ingots, brass, bronze, etc. (see "Bars and ingots).....			
Ingots, steel and alloy—			
Quantity made.....	net ton	2,854,779	
Quantity sold.....			
Ink, printing and lithographing.....	lb.	17,843,861	
Ink, writing.....	"	780,690	
Ink, not specified.....			
Insecticides.....			
Instruments, scientific, n.e.s.....			
Insulating materials, n.e.s.....			
Insulators, porcelain, and insulator parts.....			
Iron, pig—			
Quantity made.....	net ton	1,962,848	
Quantity sold.....	"	458,300	14,172,493
Irons, flat, electric.....	No.	440,538	2,277,188
Irons, commercial, steam.....			
Ironers, electric.....	No.	7,941	589,829
Iron and steel products, rolled, n.e.s.....			
Irons, gasoline.....			
Iron work, ornamental and architectural.....			
Ironing boards.....			
Isobutylene.....			
Jacks, auto and other, not specified.....			
Jams.....	lb.	91,148,345	14,067,198
Javelle water.....			
Jellies.....	lb.	4,445,239	661,963
Jersey cloth (see Knitted fabrics).....			
Jewellery.....			
Jigs and fixtures.....			
Jointers, woodworking.....			
Jute, jute paddings and jute yarn.....			
Kapok.....			
Kegs, beer.....	No.	9,757	9,757
Kegs, fish.....	"	1,590,295	741,110
Kegs, nail, etc.....	imp. gal.	32,449,835	4,446,426
Kerosene.....			

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Kitchen equipment for hotels, cafeterias, etc.	—	—	982,338
Kitchenware, aluminum, including pressure cookers	—	—	7,671,998
Kitchenware, other	—	—	3,309,614
Knitted fabrics	—	—	6,092,510
Knitted goods, miscellaneous—			
Infants' jackets, booties, etc.	—	—	1,919,623
Knitting, custom	—	—	221,698
Knives, machine	—	—	943,426
Knives, pocket and army knives	—	—	*
Knives, bread, paring, etc.	—	—	39,629
Labels, gummed	—	—	285,072
Labels, fabric	—	—	1,116,206
Laces, shoe, silk cotton, etc.	—	—	955,584
Laces, shoe, leather	doz. pr.	20,589	20,381
Laces, corset	—	—	85,090
Lacquers	—	—	5,062,075
Lacrosse sticks	—	—	*
Lactose (see "Sugar of milk")			
Ladders, step, extension, etc.	—	—	732,512
Lamps, incandescent, except therapeutic (bulbs)	No.	92,571,513	8,940,464
Lamps, fluorescent (bulbs)	"	2,899,330	1,522,527
Lamps, table and floor, electric	—	—	3,863,291
Lamps, other	—	—	35,474
Lamp shades and wire frames	—	—	1,295,803
Lamp stands and lamp bases	—	—	206,703
Lamps and lanterns, railway, marine, etc.	—	—	1,866,624
Lard	lb.	52,950,302	11,988,313
Lasts, trees and shoe findings, not elsewhere specified	—	—	885,810
Lathe, metal-working	—	—	1,467,630
Lathe, wood working	—	—	46,728
Lath, metal	—	—	576,180
Lath, gypsum	sq. ft.	111,092,387	2,282,892
Lath, wood	—	—	1,249,936
Lead, acetate	—	—	*
Lead naphthenate	—	—	*
Lead, refined	lb.	43,194,689	5,648,133
Lead, red	—	—	*
Lead, white, dry	—	—	*
Lead, white, in oil	lb.	8,207,445	1,025,471
Lead, sheet	"	7,088,761	1,036,540
Lead products, n.s.	—	—	1,761,273
Leads for pencils	—	—	123,373
Leather—			
Belting	lb.	655,348	740,516
Bag, garment, pocket-book, trunk, etc.	sq. ft.	30,538,154	9,221,219
Harness	lb.	3,432,363	1,955,888
Lace	"	127,149	139,141
Oil tanned, shocpack	"	190,019	50,832
Sole—	"	301,425	153,860
Chrome	—	—	*
Hemlock	—	—	*
Oak	lb.	29,520,622	16,250,295
Splits	"	16,471	3,483
Upholstering	sq. ft.	1,327,202	485,388
Upper leather—			
Calf skins	"	18,773,345	13,237,149
Cattle and horse hides	"	41,580,359	15,280,497
Chrome splits	"	12,097,760	2,064,869
Goat skins	—	—	*
Sheep skins	sq. ft.	3,619,911	\$13,880
Wax splits	—	—	*
Other leather, not specified	—	—	1,338,968
Leather splits, not specified	—	—	1,693,087
Leather, not specified	—	—	1,990,704
Leather, artificial	—	—	*
Leather goods, not specified	sq. yd.	1,518,585	1,089,130
Lecithin, soya	—	—	269,089
Lemon butter	—	—	*
Lenses, optical	—	—	2,499,702
Lenses, contact	—	—	*
Life buoys, jackets, belts, etc.	—	—	103,403

Note.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1911—C.

Items	Unit of Measure	Quantity	Value
Lighter fluid.....			\$
Lighters, cigarette and parts.....	—	—	179,495
Lightning arresters, n.e.s.....	—	—	2,424,190
Lightning rods and supplies.....	—	—	500,155
Lime, grey acetate.....	—	—	319,147
Lime, hydrated.....	—	—	
Lime, quick.....	—	—	
Limestone (buildings and monuments).....	—	—	
Line material incl. overhead trolley.....	—	—	
Linings, brake, asbestos.....	ft.	6,391,558	
Linings, glove, shoe, etc.....			
Linings, not specified.....			
Litharge.....	—	—	
Lithographing (see Printing).....			
Locomotives, new, and tenders.....	—	—	*
Locomotive and car parts.....	—	—	
Looms, weaving.....	—	—	5,798,670
Lubricating systems.....	—	—	139,127
Lumber, matched.....	M.ft. b.m.	206,011	14,959,041
Lumber, planed.....	"	1,695,832	108,205,960
Lumber, sawn.....	"	4,771,143	250,807,083
Lumber, not specified.....	—	—	1,288,711
Lye.....	—	—	
Macaroni and cheese.....	lb.	34,892,327	
Macaroni and spaghetti, canned.....	ton	40,438	
Macaroni, vermicelli, spaghetti, etc.....			
Machinery—			
Accounting machines.....	—	—	3,505,57
Adding and other calculating.....	—	—	95
Bakers', mixing.....	—	—	25
Bakers', not elsewhere specified.....	—	—	311,522
Boring (metal-working).....	—	—	*
Bottlers'.....	—	—	950,087
Canning and parts.....	—	—	1,722,749
Cheese factory.....	—	—	77,009
Chlorinating.....	—	—	*
Cleaning and pressing.....	—	—	
Coal handling and coal pulverizing.....	—	—	
Concrete and cement making.....	—	—	
Dairy.....	—	—	
Conveyors.....	—	—	
Elevating and conveying, n.e.s.....	—	—	
Elevator buckets.....	—	—	
Flax mill.....	—	—	
Flour and grist mill, not elsewhere specified.....	—	—	
Grain grinding, cleaning, etc.....	—	—	
Grain loaders and elevators.....	—	—	
Hoisting, except mine hoists.....	—	—	
Kitchen and other household.....	—	—	
Laundry.....	—	—	1,791
Leather-working, not elsewhere specified.....	—	—	1,010,000
Logging.....	—	—	2,152,580
Lumber and shingle drying.....	—	—	*
Metal-working, not elsewhere specified.....	—	—	41,650
Metering equipment.....	—	—	*
Milking.....	—	—	
Milling (metal-working).....	—	—	3,641,209
Mining and metallurgical, not elsewhere specified, and parts.....	—	—	1,962,121
Office, not elsewhere specified.....	—	—	*
Oil refining.....	—	—	601,607
Plastics.....	—	—	
Printing.....	—	—	
Pulp and paper.....	—	—	3,531,21
Refrigerating.....	—	—	3,465,071
Road and excavating.....	—	—	342,036
Rolling mill.....	—	—	1,458,354
Rubber mill.....	—	—	93,595
Sawing, band, machine.....	No.	301	3,212,798
Saw and planing mill.....	—	—	
Sewing.....	—	—	2,612,420
Ships', and fittings.....	—	—	75,726
Stone-working.....	—	—	

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Machinery— <i>Concluded</i>			\$
Syrup-making.....	—	—	254,301
Textile, n.e.s.....	—	—	654,194
Transmission.....	—	—	2,631,252
Vulcanizing.....	—	—	*
Washing machines—			
Electric.....	—	—	16,809,878
Hand and other.....	No.	26,571	2,298,128
Parts and accessories.....	—	—	*
Well-drilling.....	—	—	183,197
Water softener equipment.....	—	—	*
Wood-working, n.e.s.....	—	—	2,027,946
Other, not specified.....	—	—	8,793,862
Machinery parts, not specified.....	—	—	515,053
Magnesia, fused.....	—	—	*
Magnesium carbonate and stearate.....	—	—	*
Malt, made for sale.....	—	—	*
Malt flour.....	lb.	1,790,204	151,305
Malt extract and syrup.....	—	—	*
Malt coonings and sprouts.....	ton	7,070	173,163
Malt, caramel.....	—	—	*
Manganese naphthenate.....	—	—	*
Mantles, lamp.....	—	—	*
Manure spreaders.....	No.	6,152	862,713
Maple butter.....	—	—	*
Maps.....	—	—	419,993
Marble chips and dust.....	—	—	5,354
Marble, monuments.....	—	—	432,927
Marble, for building purposes.....	—	—	267,885
Marine and fishermen's supplies.....	—	—	399,056
Marmalades.....	lb.	24,630,379	3,270,361
Match splints and match blocks.....	No.	14	83,976
Matchers (wood-working).....	—	—	4,027,846
Matches.....	—	—	*
Mats and matting, cocoa.....	—	—	1,105,355
Mats and matting, rubber.....	—	—	*
Mattresses.....	No.	1,052,173	14,626,606
Mattresses, air and sponge.....	—	—	*
Meal, alfalfa.....	ton	33,750	1,167,015
Meal, barley.....	"	63,920	2,973,481
Meal, cereal grass.....	"	11,154	799,272
Meal, oilcake, coconut.....	—	—	*
Meal, corn.....	lb.	15,202,000	628,849
Meal, fish.....	"	24,913	2,788,782
Meal, meat, hoof, lung, liver, etc.....	"	12,115,532	428,276
Meal, mustard seed and oil cake.....	—	—	*
Meal, oilcake, linseed.....	ton	86,116	3,482,908
Meal, peanut oilcake.....	—	—	*
Meal, rapeseed oil cake.....	—	—	*
Meal, pea.....	lb.	277,130	5,457
Meal, rice.....	—	—	*
Meal, rye.....	ton	726	59,233
Meal, sunflower.....	—	—	*
Meal, soybean.....	ton	54,551	2,879,478
Meat, scrap.....	lb.	33,662,449	1,086,135
Meats, canned—	"		
Poultry.....	"	1,089,091	702,960
Meats, other.....	"	112,547,254	28,799,231
Meats, cooked all kinds.....	"	100,500,527	29,340,182
Meats, cured—	"		
Bacon and sides.....	"	233,895,520	70,607,120
Beef, salted and cured.....	"	7,222,354	1,698,911
Hams.....	"	40,850,867	14,946,481
Pork salted.....	"	48,243,748	12,194,929
Shoulders.....	"	32,037,954	11,094,135
Other.....	"	34,972,883	9,717,688
Meats, sold fresh—	"		
Beef.....	"	539,749,986	122,111,907
Fancy meats, not specified.....	"	38,747,243	5,839,534
Horse.....	"	6,158,307	383,314
Mutton and lamb.....	"	34,718,829	8,850,225
Pork.....	"	141,646,115	36,542,989
Veal.....	"	67,675,098	15,007,352
Other.....	"	422,758	92,220

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947 (Cont.)

Items	Unit of Measure	Quantity	Value
Meats, frozen.....	lb.	72,805,992	15,327,202
Medicinal and pharmaceutical preparations—			\$
Standard.....	—	—	11,298,948
Specialties registered as patent medicines.....	—	—	9,206,403
Specialties sold with ingredients declared.....	—	—	18,256,259
Vitamins, all kinds.....	—	—	8,088,747
Other.....	—	—	1,201,121
Metal products, not specified.....	—	—	514,433
Meters, gasoline.....			
Meters, water.....	—	—	
Meters, not specified, and meter parts.....	—	—	641,049
Methyl hydrate, crude and refined.....	imp. gal.	376,128	417,794
Mica products.....			
Milk, sold in dairy factories.....	gal.	131,355,501	73,152,304
Milk, buttermilk, sold.....	—	—	728,783
Milk, buttermilk, condensed.....	lb.	379,502	12,999
Milk, condensed.....	"	29,075,839	4,538,262
Milk, condensed, skim.....	"	4,239,969	398,000
Milk, evaporated.....	"	211,777,526	20,650,378
Milk, skim.....	—	—	472,616
Milk, skim, evaporated.....	lb.	5,691,830	337,355
Milk products, not specified.....	—	—	873,659
Milk drinks (see Food drinks)			
Military and naval equipment, not specified.....	—	—	*
Milling cutters.....	—	—	530,869
Mincemeat.....	lb.	9,700,770	1,505,061
Mine props, wedges, etc.....	—	—	865,046
Mirrors.....	—	—	3,406,361
Modelling clay.....	—	—	
Molasses.....	—	—	1,276,560
Monochlorobenzene.....	—	—	*
Monuments, lettered only.....	—	—	253,322
Monuments, not elsewhere specified.....	—	—	*
Mops—			
Floor.....	doz.	146,718	998,912
Dust.....	"	32,544	346,484
Dish.....	"	38,461	46,653
Other, not specified, and parts.....	—	—	425,385
Mosquito netting, bars, etc.....	—	—	*
Motors, electric, A.C. and D.C. (except starting motors).....	—	—	23,044,331
Motors, other, and parts.....	—	—	2,467,791
Moulders, wood-working.....	No.	56	104,333
Mouldings.....	—	—	5,097,281
Moulds for bakelite and rubber.....	—	—	*
Mounting (trade work).....	—	—	923,934
Mowers, hay.....	No.	17,561	2,139,974
Mowers, lawn.....	—	—	1,458,863
Mucilage.....	—	—	65,115
Muffs, fur.....	No.	4,470	1,000,413
Muff beds and cloth muffs.....	doz.	1,173	42,673
Munitions and other war supplies.....	—	—	1,183,363
Music, printed.....	—	—	85,320
Musical instruments, and parts, not elsewhere specified.....	—	—	64,661
Mustard, dry.....	lb.	463,455	77,770
Mustard, prepared.....	gal.	858,504	1,107,618
Mustard compound.....	lb.	164,926	31,345
Nails, aluminum.....	—	—	1,160,006
Nails and spikes, cut from plate—			
Quantity made.....	kg.	18,369	
Quantity sold.....	"	17,819	143,879
Nails, tacks and brads, wire—			
Quantity made.....	"	1,548,283	
Quantity sold.....	"	1,523,868	7,446,036
Nails, horseshoe and other, n.e.s.....	"	—	276,312
Napkins, paper.....	—	—	1,392,478
Naphtha V.M. and P. or solvent.....	gal.	27,152,848	4,191,217
Neckties.....	doz.	839,848	7,245,515
Neckwear, women's.....	"	77,382	486,729
Neck pieces, fur.....	No.	41,450	1,165,869
Needles, knitting machine.....	—	—	611,920
Needles, knitting and other.....	—	—	32,404
Nets and nettings.....	—	—	

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Nickel salts.....	—	—	\$
Nickel-silver, not elsewhere specified.....	—	—	* *
Night dresses—			
Cotton and flannelette.....	doz.	78,304	1,152,643
Silk and artificial silk.....	"	62,771	1,635,896
Night dresses, knitted and other, n.s.....	"	16,535	558,066
".....	"	4,496	91,365
Nighthirts.....	—	—	*
Nitrogen.....	—	—	*
Nitrous oxide.....	lb.	1,316,678	208,772
Non-ferrous alloys, not elsewhere specified.....	—	—	1,290,134
Novelties, advertising and other, not specified.....	—	—	832,244
Novelties, printed.....	lb.	1,638,766	1,841,028
Nuts, salted, etc.....	—	—	
Oars and paddles.....	—	—	163,294
Oats, rolled.....	ton	79,848	9,245,988
Oatmeal.....	"	29,381	2,493,620
Offal, not specified.....	"	113,146	2,950,555
Oil burners and parts.....	—	—	7,608,456
Oilcloth, other than floor.....	—	—	*
Oil, aniline.....	—	—	*
Oil, cocoanut, crude and processed.....	ton	28,496	10,020,017
Oil, core.....	—	—	635,099
Oil, corn, crude.....	—	—	*
Oil, corn, refined.....	—	—	*
Oil, corn, n.s.....	—	—	*
Oil, cottonseed.....	lb.	30,853	7,713
Oil, creosote.....	imp. gal.	9,947,648	1,999,148
Oil, engine and tractor distillate.....	"	35,400,048	4,451,427
Oils, fish (vitamin).....	lb.	4,243,984	2,942,417
Oils, fish, industrial.....	"	17,436,318	1,950,250
Oil, fish, other.....	—	—	*
Oil, fuel, diesel.....	imp. gal.	182,234,474	14,405,387
Oil, gas and light fuel oil—			
For own use.....	"	136,008	10,361
For sale.....	"	255,440,748	21,682,213
Oil, residual fuel—			
For own use.....	"	115,152,876	6,962,660
For sale.....	"	545,286,306	38,165,884
Oil, fusel (sold).....	"	37,633	27,538
Oil, lard.....	lb.	2,243,008	447,815
Oil, linseed, boiled.....	gal.	927,706	1,380,569
Oil, linseed, raw.....	—	5,650,674	7,903,598
Oil, linseed, special.....	—	—	7,734,043
Oil, lubricating.....	—	—	18,548,676
Oil, neat'sfoot.....	lb.	894,572	175,266
Oil, oleo.....	"	1,584,492	227,369
Oil, peanut, processed.....	ton	4,397	2,840,263
Oil, soybean.....	"	14,035	5,400,884
Oil, light, n.e.s.....	imp. gal.	1,357,451	296,936
Oil, rape seed.....	—	—	*
Oil, silk.....	—	—	*
Oil, stand blown, enamel, etc.....	—	—	*
Oil, marine, n.e.s.....	—	—	*
Oil, blended salad.....	—	—	*
Oil, acidless tallow.....	—	—	*
Oil, stove.....	imp. gal.	62,128,306	5,810,840
Oils, sulphonated, textile oils, and other textile chemicals.....	—	—	2,163,374
Oil, sunflower seed.....	ton	4,278	2,220,571
Oils, vegetable, n.e.s.....	lb.	1,933,046	582,043
Oils, other, not specified.....	—	—	1,195,757
Oleo stock.....	—	—	*
Olives, bottled, etc.....	gal.	234,800	1,144,978
Organs, pipe.....	No.	59	296,802
Organs, other, and parts.....	—	—	844,509
Ornaments, not specified.....	—	—	291,097
Ovens, commercial, cooking.....	—	—	570,438
Overalls—			
Men's and boys'.....	doz.	284,978	7,681,588
Children's.....	"	210,695	2,129,416
Not specified.....	"	11,698	204,216
Overall coats, smocks, dusters, etc.....	"	56,382	1,606,452
Oxygen.....	cu. ft.	577,806,032	4,603,919

Note.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1917—Con.

Items	Unit of Measure	Quantity	Value
Packing, asbestos.....	—	—	\$ 313,718
Packing, rubber.....	lb.	1,453,769	389,630
Packing, not specified.....	—	—	60,648
Pads, electric, heating.....	No.	81,712	354,507
Pads, stamp.....	—	—	64,932
Pads, stair.....	—	—	—
Pads, sweat.....	—	—	—
Pads and padding, not specified.....	—	—	—
Pails, paper.....	No.	40,158,934	53,172
Pails and tubs, wooden.....	—	—	—
Painting equipment, not specified.....	—	—	—
Paint, varnish and enamel removers.....	—	—	279,392
Paints, mixed, ready for use.....	imp. gal.	10,023,399	31,449,632
Paints, cement.....	—	—	219,134
Paints, cold water.....	lb.	14,637,104	1,284,289
Paints, water colour.....	—	—	—
Paints, water resin.....	lb.	2,961,688	532,957
Paints, paste.....	"	7,450,216	1,217,855
Paints, varnishes and cements, coal tar.....	—	—	*
Paints and enamels, not specified.....	—	—	513,128
Panel boards and cabinets.....	—	—	1,928,595
Pants, breeches, etc.—			
Fine pants, men's and youths'—			
Woollen.....	No.	2,046,202	11,803,044
Other.....	"	415,649	1,577,723
Fine pants, boys'—			
Woollen.....	"	863,516	2,293,831
Other.....	"	775,564	1,237,087
Work pants, men's and youths'—			
Woollen and mixtures.....	"	621,576	2,321,803
Cotton.....	"	2,826,036	6,228,813
Work pants, not specified.—	—	—	100,733
Breeches, men's and youths'—			
Woollen and mixtures.....	No.	152,292	587,527
Cotton.....	"	119,100	276,301
Breeches, boys'—			
Woollen and mixtures.....	"	370,044	\$13,300
Cotton.....	"	45,720	99,108
Pants, not specified—			
Men's and youths'.....	"	1,812	13,603
Boys'.....	"	131,568	74,650
Not specified.....	—	—	127,482
Pants, baby, rubber.....	doz.	137,061	288,900
Pants, rubberized and oiled.....	—	3,572	107,131
Paper—			
Adding machine and cash register.....	roll	2,466,098	185,130
Asbestos.....	—	—	265,788
Blotting, clay coated and enamelled.....	—	—	*
Blue print and photostat.....	—	—	600,699
Book.....	s. ton	77,687	13,330,381
Box cover, colored.....	lb.	4,522,622	910,306
Writing pads, tablets, etc.	—	—	781,599
Building and roofing paper—			
Asphalt saturated rag, asbestos and solka felt shingles.....	square	2,074,344	19,071,779
Mineral surfaced rag, asbestos and solka felt roofing.....	"	1,084,282	4,824,700
Smooth surfaced rag, asbestos solka felt roll roofing.....	"	1,626,639	3,061,309
Tar and asphalt saturated rag, asbestos and solka, felt, not coated.....	ton	46,115	3,368,648
Tar and asphalt saturated and coated sheathings.....	"	13,142	1,315,798
Other felts and sheathings.....	"	439	73,551
Building papers, n.s.—	"	70,858	5,703,911
Paper, insulated siding.....	ream	139,990	1,820,796
Carbon.....	—	—	*
Cigarette tubes and paper.....	lb.	32,903,950	4,175,544
Coated paper, other, n.e.s.....	—	—	590,611
Corrugated.....	lb.	1,428,139	454,693
Creped or crinkled.....	—	—	*
Fabric.....	s. ton	86,145	20,828,036
Fine.....	—	—	112,886
Foolscap, not elsewhere specified.....	—	—	*
Friction or flint glazed.....	—	—	*
Gummed (in sheets).....	s. ton	9,573	1,813,556
Special industrial.....	—	—	—

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Paper— <i>Concluded</i>			\$
Lining, pan, shelf, etc.	—	—	372,064
Parchment, vegetable	—	—	*
Oiled	lb.	1,372,571	158,937
Paper napkins and doilies (see "Napkins" and "Doilies")			
Newsprint paper—			
In sheets, for printing	s. ton	87,897	8,840,619
In rolls, for printing	"	4,356,703	344,720,882
Side runs for pulping	"	29,241	1,940,845
Counter rolls	"	423	38,323
Other	—	—	*
Printing and specialty paper, groundwood	s. ton	46,930	5,568,770
Safety paper, for cheques, etc.	—	—	*
Sanitary	s. ton	46,832	7,356,047
Tissue, converted	—	—	605,577
Tissue, other than sanitary (basic stock)	s. ton	20,674	4,823,609
Toilet, converted	cases	1,010,306	6,074,572
Towels, paper (see "Towels")			
Typewriter, not elsewhere specified	ream	256,590	209,909
Wall paper	—	—	*
Waterproofed, other than waxed, n.e.s.	—	—	*
Waxed, all kinds, including bread wrappers, etc.	lb.	53,272,566	8,249,097
Wrapping paper—			
Unbleached sulphate, Kraft No. 1 and 2	s. ton	145,054	18,378,748
Bleached sulphite and sulphate	"	10,647	2,145,926
Unbleached and semi-bleached sulphate and sulphite	"	9,846	1,629,736
Miscellaneous furnishes	"	17,291	2,235,337
Wrapping, special	"	5,904	1,620,249
Paper, miscellaneous, not elsewhere specified, converted	—	—	563,768
Paper goods, including paperteries	—	—	1,243,431
Paper board—			
Box board	s. ton	371,738	31,590,179
Building, rigid insulating	—	—	8,501,037
Building, other	s. ton	31,280	3,730,128
Container chips	—	6,047	317,514
Corrugating board	—	102,655	8,959,472
Liners	"	175,221	15,971,032
Mounting board	—	—	*
Clay coated and enamelled	—	—	2,416,802
Coated, other, not specified	—	—	1,422,008
Wallboard and building board, n.e.s.	sq. ft.	45,272,639	1,474,490
All other board and paper, not specified	—	—	137,629
Parachute and parachute equipment	—	—	*
Paraldehyde	—	—	404,632
Paste, adhesive	lb.	2,627,262	899,896
Paste, fish, meat and chicken	—	—	22,323
Paste, flavouring	"	141,865	
Paste, tooth (see "Dentifrices")			
Patterns and models, foundry and other, wood and metal	—	—	1,705,247
Patterns, paper	—	—	1,129,195
Patterns, shoe	—	—	59,510
Peanut butter	lb.	20,561,334	6,568,355
Peanuts, roasted and salted (for sale)	"	14,007,612	4,896,426
Peas, split	"	6,557,650	519,411
Peavies, cant hooks and pike poles	—	—	451,007
Pectin (see also Apple juice concentrate)	—	—	*
Pencils, ordinary lead	gr.	576,414	1,836,437
Pencils, adjustable lead	—	—	959,280
Penicillin	units	774,275,140,000	2,594,354
Pennants	—	—	80,388
Pens, fountain	doz.	168,917	5,281,002
Pen parts, pen holders and nibs	—	—	261,923
Pentosol acetate	—	—	*
Perchlorethylene	—	—	*
Percolators, electric	—	—	*
Perfumes	—	—	1,542,543
Periodicals, printed by publishers—			
Newspapers, daily—			
Gross revenue from advertising	—	—	53,929,642
Subscriptions and sales	—	—	28,321,680
Newspapers, weekly and other—			
Gross revenue from advertising	—	—	5,791,107
Subscriptions and sales	—	—	1,838,765

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—C.

Items	Unit of Measure	Quantity	Value
Periodicals, printed by publishers— <i>Concluded</i>			\$
Magazines and other bound periodicals—			
Gross revenue from advertising.....	—	—	
Subscription and sales.....	—	—	
Phenol.....	—	—	
Phenothiazine.....	—	—	
Phonograph supplies, including records.....	—	—	
Phonographs, electrically operated.....	No.	26,726	
Phosphorus.....	—	—	
Phosphorus sequisulphide.....	—	—	
Photo-engraving.....	—	—	
Photographic materials, not elsewhere specified (including paper).....			
Photography (commercial).....			
Phthalic anhydride.....	—	—	
Pianos—			
Grand.....	—	—	
Upright.....	No.	4,168	
Other.....	—	—	
Pianos in process of manufacture.....	No.	1,159	
Piano strings and other parts.....	—	—	
Pickets.....	M	11,076	
Pickles, relishes and sauces (see also "Tomato catsup").....	—	—	
Pictures, framed.....	—	—	
Picture and mirror frames.....	—	—	
Pies, cakes and pastry.....	—	—	
Bakery goods (canned).....	—	—	
Pies, meat.....	—	—	
Piling, sheet.....	—	—	
Pillow cases, bureau runners, scarves, etc.....	—	—	935.5*
Pillows.....	—	—	
Pins, plain and hair pins.....	—	—	
Pipe and fittings, brass, bronze and copper.....	—	—	
Pipe and fittings, cast iron, soil.....	—	—	
Pipe and fittings, cast iron, other.....	—	—	
Pipe, lead.....	—	—	
Pipe and fittings, malleable iron.....	ton	8.7	
Pipe, sewer, clay.....	—	—	
Pipe, sewer and culvert, cement.....	—	—	
Pipe, culvert, n.e.s.....	—	—	
Pipe, steel, riveted, and welded.....	—	—	
Pipe and fittings, steel, n.e.s.....	ton	—	
Pipe and tubing, copper.....	lb.	—	
Pipes, furnace and stove.....	—	—	
Pipes, wooden.....	—	—	
Pipes, other.....	—	—	
Pipes, tobacco.....	doz.	24,944	222,122
Pipe mouth-pieces.....	—	—	*
Pipe (tobacco) cleaners.....	—	—	
Piston rings, automobile.....	No.	26,765,261	2,984,433
Pistons, automobile, and piston ring expanders.....	—	—	1,012,593
Pitch.....	ton	75,463	1,590,229
Planers, metal-working.....	M.ft. b.m.	688,615	3,801,106
Planing, custom.....	No.	2,618	192,594
Planters, corn.....	—	—	*
Planters, potato.....	—	—	
Plastics, moulded (see "Synthetics").....	—	—	
Plate and tank work, steel, miscellaneous.....	—	—	
Plates, sheets and strips, brass, copper, etc.....	lb.	39,297,635	
Plates, brass, engraved.....	—	—	
Plates, flats, iron and steel.....	—	—	
Plates, metal, license, name, etc.....	M	72,001	
Plates, paper.....	—	—	
Plating and galvanized salts.....	lb.	—	
Platinum, refined, and other platinum products.....	—	—	
Play ground, track and field equipment.....	—	—	
Ploughs and parts.....	—	—	
Ploughs, snow.....	—	—	
Plugs, wooden.....	—	—	
Plumbers' supplies, not elsewhere specified (brass, copper, etc.).....	M. sq. ft.	403,241	
Plywood.....	—	—	
Poison, gopher and rat.....	—	—	
Polish, furniture.....	—	—	
Polish, metal.....	—	—	

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Polish, shoe.....	—	—	790,166
Polish, stove.....	—	—	61,232
Polishes and waxes, floor.....	—	—	5,617,600
Polishes and dressings, automobile.....	—	—	147,719
Polishes and dressings, leather.....	—	—	23,364
Polishes and dressings, not specified.....	—	—	89,798
Polishers floor, electric and other.....	—	—	410,603
Polishing mitts and cloths.....	—	—	*
Popcorn.....	lb.	3,236,293	1,457,405
Polymer feed stocks.....	—	—	*
Post cards, printed.....	—	—	541,111
Posts, steel.....	ton	4,707	398,207
Posts, other.....	—	—	7,417
Post hole diggers.....	—	—	*
Potassium chlorate.....	—	—	*
Potato chips (factory made).....	lb.	2,394,778	1,019,866
Potato diggers.....	No.	373	57,987
Potato pickers.....	"	135	22,000
Pot holders.....	—	—	9,439
Pot scourers.....	—	—	272,835
Pottery, glazed and unglazed.....	—	—	853,440
Pottery from imported clay.....	—	—	*
Poultry, canned (see "Meats canned").....	lb.	21,105,314	7,640,156
Poultry, sold fresh.....	"	12,367,531	2,231,687
Powder, baking.....	"	4,650,039	415,740
Powder, buttermilk.....	—	—	*
Powder, casein.....	lb.	1,040,505	263,610
Powder, custard.....	"	14,885,635	13,828,853
Powder, egg.....	"	4,245,529	1,884,845
Powder, food drinks.....	"	377,579	143,410
Powder, ice cream.....	"	9,483,253	2,961,827
Powder, jelly.....	—	—	*
Powder, nitrogen.....	—	—	*
Powder, whole milk.....	lb.	14,171,103	5,020,619
Powder, malted milk.....	—	—	250,700
Powder, skim milk.....	lb.	53,916,917	6,858,199
Powder, protein.....	—	—	*
Powder, pudding.....	lb.	10,311,873	2,562,870
Powders, edible, not specified.....	"	1,885,486	571,485
Powder, bronze and aluminum.....	"	5,023,891	1,734,257
Powder, saucer.....	—	—	84,481
Powder, talcum and face.....	—	—	2,171,873
Presses.....	—	—	676,549
Press cloth.....	—	—	25,293
Presses, tennis and badminton racquet.....	—	—	*
Presses, hydraulic, and other power.....	—	—	900,139
Pressure cookers.....	—	—	*
Printing—			
Circular letters.....	—	—	856,284
General, for trade.....	—	—	561,483
Custom printing (paper supplied by customer).....	—	—	1,703,769
Private and personal.....	—	—	1,281,064
Blue prints and photostats.....	—	—	1,144,782
Periodicals printed for publishers.....	—	—	13,612,157
Other printed matter: menus, statements, bank notes, pro-	—	—	8,412,373
grammes, etc. (See also "Advertising matter").....	—	—	2,082,682
Printing and painting on textile fabrics.....	—	—	*
Propane.....	gal.	6,232,167	114,833
Propellers and shafts.....	—	—	*
Publications, subscriptions and sales (see "Printing" and "Periodicals").....	—	—	
Puddings.....	—	—	183,546
Puffs, powder.....	gr.	54,809	284,685
Pulleys, wood and other.....	—	—	275,663
Pulpers and slicers.....	—	—	*
Pulp, fruit (see "Fruit pulp").....	—	—	*
Pulpstones, artificial.....	—	—	*
Pulpwood.....	cord	689,385	17,856,938
Pulp chips.....	units	92,713	841,678
Pulp, wood—			
Ground wood—			
Quantity made.....	s. ton	4,275,269	20,773,463
Quantity sold.....	"	347,522	

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Cont.

Items	Unit of Measure	Quantity	Value
Pulp, wood— <i>Concluded</i>			
Sulphate—			
Quantity made.....	ton	689,435	
Quantity sold.....	"	349,588	30,302,442
Sulphite, bleached—			
Quantity made.....	"	630,761	79,313,364
Sulphite, unbleached—			
Quantity made.....	"	563,032	55,033,200
Screenings—			
Quantity made.....	"	151,588	
Quantity sold.....	"	73,106	2,024,382
Other			
Quantity made.....	"	109,847	
Quantity sold.....	"	33,458	
Pumps, centrifugal.....	No.	45,991	
Pumps, hand.....	"	1,611	
Pumps, steam.....	—	—	
Pumps, other power.....	—	—	
Pumps, pumping systems for country homes.....	—	—	
Pumps, gasoline handling.....	—	—	
Pumps, not specified, and pump parts.....	—	—	
Punching machines.....	—	—	
Purses, pocket-books and folders.....	—	—	
Putty and fillers, n.e.s.....	lb.	12,633,088	
Pyjamas—			
Cotton and flannelette.....	doz.	202,352	5,542,828
Silk and artificial silk mixtures.....	"	19,504	703,511
Not specified.....	"	17,402	423,493
Pyrometers.....	—	—	
Pyrotechnics and fireworks.....	—	—	
Quilted goods.....	—	—	507,465
Racquets, tennis, badminton and squash.....	No.	74,162	
Radar equipment (see Radio communication equipment).....	—	—	
Radiators, automobile.....	—	—	
Radiator and boiler compounds.....	sq. ft.	3,535,895	1,122,536
Radiators, heating, concealed type.....	"	8,221,505	3,404,456
Radiators, heating, standing type.....	—	—	5,503,518
Radio communication equipment.....	—	—	45,100,326
Radio sets, tubes and accessories.....	—	—	*
Rail anchors.....	—	—	
Rails, iron or steel—	net ton	250,049	
Quantity made.....	"	242,729	13,236,588
Quantity sold.....	—	—	4,479,008
Rail frogs, switches and other track equipment.....	—	—	2,124,600
Railway car and coach fittings, bearings, etc.....	—	—	697,296
Railway equipment, n.e.s.....	No.	226,630	134,929
Rakes, hand.....	—	—	*
Razor blades.....	—	—	1,489,767
Razors, safety, electric and other, and parts.....	—	—	*
Recorders, time.....	—	—	1,181,166
Record players, electrically operated.....	No.	63,971	208,249
Rectifiers for storage battery charging, and parts.....	—	—	*
Reels, wire rope.....	—	—	
Refractories—	lb.	5,188	383,701
Cement, high temperature.....	—	—	525,451
Firebrick from domestic clay.....	ton	22,475	980,213
Firebrick from imported clay.....	—	—	1,855,835
Other.....	No.	111,962	20,311,644
Refrigerators—	—	—	3,268,352
Electric.....	—	—	4,289,007
Electric, condensing units.....	—	—	278,207
Other.....	—	—	*
Refrigerator parts, not specified.....	—	—	
Registers, cash.....	—	—	580,158
Registers and grills, air.....	—	—	

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
			\$
Regulators, not specified.....	—	—	*
Remedies, stock and poultry.....	—	—	1,517,291
Rennet extract.....	—	—	177,725
Repair guns and fabrics.....	lb.	396,562	370,676
Repair kits.....	No.	637,142	78,155
Repair patches, tire and tube.....	"	2,170,146	457,465
Resin film and resin film products.....	—	—	2,548,928
Ribbons.....	—	—	*
Rice, brewers.....	—	—	*
Rice, cleaned, etc.....	—	—	*
Rifles.....	—	—	*
Rings, fruit jar, rubber.....	lb.	1,207,001	483,193
Rings, fruit jar, zinc.....	—	—	*
Robes, carriage and automobile.....	—	—	10,299
Rockwool.....	—	—	4,966,388
Rods and bars, bronze, and brass.....	lb.	22,639,038	5,520,480
Rods, copper wire.....	"	130,145,891	26,901,210
Rods, iron and steel, wire—			
Quantity made.....	ton	284,795	
Quantity sold.....	"	108,512	5,310,661
Roll covering, rubber.....	lb.	27,340	45,431
Rollers, land and land packers.....	No.	4,040	213,912
Rollers, printers'.....	—	—	423,826
Rolls, rubber covered.....	No.	296,446	994,772
Rolls, bending and straightening (metal-working).....	—	—	114,999
Roofing preparations, n.e.s.....	—	—	446,322
Rope—			
Manilla.....	lb.	6,717,452	2,280,402
Sisal.....	"	10,887,358	2,590,623
Jute and hemp.....	"	524,791	183,704
All other.....	—	—	151,850
Rubber, reclaimed, dispersions and other.....	—	—	*
Rubber and rubber goods, hard.....	lb.	468,368	403,410
Rubber coverings, linings, etc.....	"	293,164	485,001
Rubber goods, moulded.....	"	1,968,281	1,294,691
Rubber goods, plumbers'.....	—	—	612,566
Rubber goods, sanitary, not elsewhere specified.....	doz.	369,367	180,237
Rubber goods, soft and sponge.....	lb.	—	182,567
Rubber automotive and aeroplane parts.....	4,056,152	1,676,340	
Rubber goods, not specified.....	lb.	—	1,898,534
Rubber thread.....	lb.	803,312	1,012,680
Rubber, synthetic.....	—	—	*
Rugs, automobile.....	No.	96,510	410,247
Rules, steel.....	—	—	*
Rules, wooden.....	—	—	181,428
Ruling (printing plants).....	—	—	453,651
Rust preventives and removers.....	—	—	115,356
Saddles.....	No.	2,124	106,093
Saddle parts.....	—	—	19,612
Safes, vaults and fittings.....	—	—	2,043,697
Sails.....	—	—	70,915
Salt.....	—	—	5,366,032
Salt, curing.....	lb.	1,789,636	235,896
Sanders, (wood-working).....	—	—	64,305
Sandwich relish and spread.....	lb.	3,850,257	1,445,078
Sanitary ware.....	—	—	7,551,133
Sash, doors and millwork.....	—	—	39,620,144
Sash, steel, brass, etc.....	—	—	2,280,468
Sauces, catsups and relishes (see "Tomato catsup and pickles, sauces, etc.")			
Sauerkraut—			
Canned.....	lb.	5,636,282	355,545
Other.....	"	1,821,862	31,129
Sausage casings.....	—	—	3,295,631
Sausage, fresh or cured.....	lb.	69,635,437	19,277,092
Sawdust and waste, sold.....	—	—	1,173,471
Sawing, lumber, custom.....	—	—	115,616
Saws, all kinds.....	—	—	5,692,117
Saw parts and saw benches.....	—	—	2,329,608
Scales.....	No.	35,298	2,907,695
Scarves.....	—	—	3,500,208

Note.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947

Items	Unit of Measure	Quantity	Value
School supplies, not specified.	—		\$
Scientific equipment, not specified.	—		
Scissors and shears.			
Scrap, aluminum.			
Scrap, brass, bronze and copper.	lb.		
Scrap, iron and steel.	ton		
Screenings, barley, etc.			
Screens, door and window.			
Screen, industrial.	—		
Screws and screw machine products.			
Scufflers.			
Scythes.			
Seals.			
Seasoning, dry and liquid.			
Seaweed, processed.			
Seed boxes for one-way discs, etc.	No.	5,138	
Shades, window, shade cloth, and fittings—			
Ordinary shades and blinds.	—		
Venetian blinds (factory made).	—		
Shade cloth, rollers, etc.			
Shanks, shoe.	—		
Shapers, wood-working.	"	75	
Shapers, metal-working.	"		
Sharpeners, pencil.	—		
Sharpening stones and files.			
Shawls.	doz.	5,859	
Shearing machines, metal working.	—		
Sheet forms, commercial, etc., printed.	—		
Sheets and sheeting, cotton.			
Sheets, crib.			
Sheets, crib, rubber and rubberized.	doz.	24,965	
Sheeting and sheets, rubber.	—		
Sheet ironware, not elsewhere specified.	—		
Sheet metal building materials, not elsewhere specified.	—		1,907,057
Sheet metal freight car roofs.			
Sheets, aluminum.	—		
Sheets, black incl. hot strip mill production.	—		
Sheets, corrugated only.	—		
Sheets, iron and steel.	—		
Sheets, tin mill, black plate, galvanized, etc.	—		
Shields, dress.	—		
Shims, railroad and other.	—		
Shingle bands.	—		
Shingles, wooden.	—		
Shingles, asbestos.	—		
Shipbuilding and repairs.	—		
Shirts, fine—			
Cotton.	doz.	707,912	
Silk and artificial silk.	"	6,969	
Shirts, dress.	"	8,780	
Shirts, work—			
Cotton.	"		
Wool.	"	34,448	1,188,114
Shirts, not specified.	"	403,217	6,624,401
Shirts, sport, men's, youths' and boys'.	"	50,258	841,951
Shock absorbers, automobile.	"	198,735	5,069,788
Shoddy, mungo and wool extract.	No.	674,679	1,774,336
Shoe trimmings.	lb.	5,261,184	945,192
Shoe uppers and tops.	pr.	200,746	302,651
Shooks, box.	M.	155,757	44,972,145
Shortening—			
Containing animal fat and marine oil.	lb.	95,744,344	20,182,715
Wholly vegetable.	"	23,726,607	5,318,953
Shortening substitute.	—		
Shorts and middlings.	ton	541,339	15,335,662
Shovels, hand.			
Shovels, power.			
Shuttlecocks, badminton.			
Signal systems (traffic, fire alarm, etc.).	—		
Signs, electric, gas, Neon and other luminous.	—		
Signs, metal, etc.	ton	31,701	
Silicon carbide.			
Silico manganese, silico spiegel, etc. (see "Ferro-alloys").			

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Silk broad—			\$
All silk and mixtures containing silk.....	yd.	91,580	151,450
All continuous filament synthetic yarn.....	"	58,499,465	36,254,737
Spun rayon and mixtures.....	"	15,762,148	8,931,654
Continuous filament synthetic yarn mixtures.....	"	6,115,202	4,929,687
Woven artificial silk goods, n.e.s.....	"	2,472,549	2,254,539
Silk and artificial silk knitted goods, n.e.s.....	"	—	3,235,420
Silver alloys.....	—	—	205,446
Silver, fine.....	—	—	1,289,028
Silver, sterling, melted, rolled, etc.....	—	—	1,416,644
Size.....	—	—	1,229,365
Skates.....	pr.	545,407	923,489
Skis.....	"	163,830	558,542
Ski poles and fittings.....	—	—	591,209
Skins, calf.....	No.	553,366	2,244,431
Skins, sheep.....	"	1,062,653	1,688,448
Skins, pickled.....	doz.	69,407	769,914
Skins, raw and dressed.....	—	—	2,351,556
Skins and cages.....	—	—	*
Skirts—			
Cotton.....	No.	108,702	175,875
Artificial silk and mixtures.....	"	561,358	1,565,215
Woollen.....	"	921,645	2,877,052
Other.....	"	49,703	164,603
Slabs and edgings.....	cord	842,941	2,687,646
Sleeve protectors.....	—	—	*
Sleighs, hors-drawn, etc.....	—	—	617,796
Sleighs, baby.....	No.	32,678	87,717
Sleighs, children's.....	"	131,384	218,816
Sleighs, dog.....	"	369	6,478
Slicers, meat and bread.....	—	—	*
Slippers, cloth, carpet, etc.—			
Babies.....	pr.	68,038	58,430
Boys' and youths'.....	"	141,215	142,211
Misses' and children's.....	"	1,063,196	900,819
Men's.....	"	685,407	1,328,004
Women's and growing girls'.....	"	2,355,370	2,797,371
Not specified.....	—	—	115,866
Sliver, roving, etc.....	lb.	230,470	113,903
Smelter and refinery products.....	—	—	453,033,942
Smocks, women's.....	doz.	25,804	622,554
Smoke breeching.....	—	—	51,104
Smoker sets.....	—	—	229,005
Smokestacks, steel.....	—	—	156,119
Snathes, scythe.....	—	—	*
Snowmobiles and parts.....	—	—	*
Snow removing equipment.....	—	—	698,895
Snow shoes.....	—	—	*
Soap—			
Household, laundry and chips.....	lb.	37,567,550	5,717,751
Liquid, not specified.....	—	—	731,603
Polishing or scouring.....	lb.	215,353	26,818
Powder.....	"	87,859,515	11,306,407
Soft.....	"	2,346,717	262,683
Textile and mill.....	"	3,342,270	466,253
Toilet, bars and liquid.....	"	41,769,725	9,696,674
Shaving, incl. shaving creams.....	"	—	1,486,970
Hard, all other.....	"	37,966,779	4,284,387
Soap, not specified.....	"	5,173,991	576,575
Soap stock.....	ton	63,464	25,953
Sodium azide.....	—	—	*
Sodium carbonate.....	—	—	3,834,411
Sodium carboxymethyl cellulose.....	—	—	*
Sodium chlorate.....	—	—	*
Sodium hydroxide.....	—	—	*
Sodium hypochlorite.....	—	—	*
Sodium metabisulphite.....	—	—	*
Sodium metasilicate.....	—	—	*
Sodium phosphate, disodium and tri-sodium.....	lb.	16,605,375	843,100
Sodium pyrophosphate.....	—	—	*
Sodium silicate.....	—	—	*
Sodium sulphate and sulphite.....	—	—	*
Sodium thiosulphite.....	—	—	*

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Alphabetical List of Products Manufactured in Canada, 1947 - Con.

Items	Unit of Measure	Quantity	Value
Solder	lb.	10,153,577	3,104,615
Soling, rubber—			\$
Rubber and composition soles	pr.	1,779,855	385,682
Rubber and composition half-soles	"	599,962	130,820
Soling and slabs for heels	lb.	1,156,388	342,766
Soles, not elsewhere specified	pr.	1,218,199	399,061
Soles, felt and other (insoles)	—	—	611,623
Soup, canned	lb.	159,597,901	22,753,853
Soup dehydrated	lb.	3,736,844	2,102,804
Soup mixtures	—	—	*
Soya bean products, n.e.s.	No.	981,970	936,906
Spades and shovels	"	17,629,186	4,230,519
Spark plugs	lb.	915,999	223,223
Speed reducer units	"	4,513,492	1,885,382
Spice compound	—	—	*
Spices, mixed, whole or ground	—	—	*
Spikes, railway	—	—	66,127
Spikes, ship and drift	—	—	1,163
Spinning and weaving, custom	—	—	1,905,164
Spinning wheels	No.	1,482	14,764
Spinneys, metal, etc.	—	—	*
Spirits, produced during the year but placed in bond for maturing—	pr. gal.	6,338,077	4,648,283
Whiskey, rye type	"	1,480,604	964,775
Whiskey, scotch type	"	5,740,494	4,126,188
Whiskey, other	"	822,882	1,054,323
Gin	"	2,471,327	2,087,719
Other beverage spirits	—	—	*
Spirits, beverages, net sales—	—	—	*
Whiskey, scotch type	"	579,040	4,408,450
Whiskey, rye type	"	6,097,970	39,144,969
Whiskey, other types	"	144,571	220,833
Gin	—	881,881	4,000,000
Brandy and rum	"	139,225	1,151,291
Liqueurs, cordials and cocktails	"	47,065	516,477
Other beverage spirits	"	865,063	560,503
Spools, bobbins and shuttles	—	—	1,720,543
Sport gloves and mitts	—	—	*
Sporting goods, not specified	—	—	*
Sprayers, hand	No.	7,824	90,444
Sprayers, power	"	432	169,560
Sprayers, not specified	"	880	132,961
Spray guns, insecticide	—	—	*
Springs, automobile	—	—	3,674,875
Springs, bed and upholstering—	No.	42,943	1,061,868
Box	"	3,952	20,667
Coil	"	152,704	999,825
Cable	"	102,361	808,904
Link	"	173,836	1,641,067
Slat	—	—	4,000,000
Bed and upholstering, not specified	—	—	1,189,875
Springs for cars and locomotives	—	—	2,354,331
Springs, other	—	—	*
Squares, hardwood	M.ft. b.m.	32,788	2,902,554
Stabilizers, ice cream, etc.	lb.	39,138	50,081
Stains	imp. gal.	555,127	1,157,006
Stampings, metal, not specified	—	—	5,827,441
Stamps, rubber	—	—	537,702
Stamps, not specified	—	—	336,163
Stamps, postage, revenue, etc.	—	—	*
Staples, wire	keg.	40,105	223,433
Starch, corn, edible	—	—	*
Starch, corn, laundry	ton	6,287	926,191
Starch and flour, potato	—	—	*
Starch, wheat	—	—	*
Starch, paper mill, etc.	—	—	*
Starch, blended	—	—	*
Starches, n.e.s.	—	—	533,753
Stationery goods, not specified	—	—	625,397
Statues and art goods	—	—	1,853,685
Staves, barrel	M	68,143	331,607
Steam traps, etc.	—	—	*
Stearine	lb.	1,074,773	1,074,773

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Steel shapes erected—			\$
Bridges.....	ton	8,101	1,956,164
Buildings.....	"	121,622	23,468,390
Transmission towers.....	"	14,368	3,156,606
Steel shapes, structural, unfabricated, etc.—			
Quantity made.....	"	180,226	
Quantity sold.....	"	175,386	10,995,147
Steel shapes, structural, plain material.....	ton	—	7,895,886
Steel shapes, structural, fabricated.....	ton	6,200	1,169,337
Steel, miscellaneous.....	ton	—	7,353,691
Steel wool.....	—	—	*
Stellite.....	—	—	*
Stencils, paper (office machine).....	—	—	*
Stencils.....	—	—	49,942
Stockinette (See "Knitted fabric").....	—	—	
Stocking dryers.....	—	—	31,087
Stokers, mechanical.....	—	—	1,416,109
Stoker parts.....	—	—	666,614
Stone, artificial.....	—	—	522,752
Store fixtures, n.s.....	—	—	345,509
Stoves:—			
Coal and wood.....	No.	266,992	10,107,152
Electric and combination coal and electric.....	"	116,944	9,384,609
Gas and combination coal and gas.....	—	—	5,677,005
Gasoline and oil.....	No.	104,555	2,644,865
Plates, stove, stove parts, etc.....	—	—	2,113,234
Straps, leather.....	doz.	332,145	501,096
Straws, drinking.....	M	547,236	293,898
Streptomycin.....	—	—	*
Strings, racquet.....	—	—	*
Styrene.....	—	—	*
Sugar butter.....	lb.	2,730,070	503,532
Sugar, granulated—			
Beet.....	"	150,492,000	14
Cane.....	"	761,263,196	65,368,978
Sugar, brown or yellow.....	"	118,124,797	7,602,154
Sugar, grape.....	—	—	*
Sugar, invert.....	lb.	4,471,908	821,342
Sugar, loaf.....	"	13,879,645	1,217,795
Sugar, maple (factory made).....	—	—	*
Sugar of milk.....	lb.	507,197	79,099
Sugar, pulverized or icing.....	"	41,122,080	3,265,362
Suits			
Men's and boys'—			
Boys', woollen.....	No.	350,905	3,365,645
Men's and youths'.....	"	1,726,469	46,029,457
Other, men's and boys'.....	"	53,832	552,183
Sport, men's, youths' and boys'.....	"	37,206	397,519
Women's and misses'—			
Cotton.....	"	10,476	42,767
Silk and artificial silk.....	"	11,320	173,322
Woollen.....	"	636,243	12,756,528
Other, not specified.....	"	35,925	976,541
Children's, all kinds.....	"	1,042,004	1,166,067
Knitted, women's and children's.....	"	8,760	191,704
Sulphur dioxide, liquid.....	—	—	*
Sulphur monochloride.....	—	—	*
Superheaters.....	—	—	1,088,094
Superphosphate.....	—	—	*
Surfacers, wood-working.....	—	—	*
Surgical and orthopaedic appliances, and surgical dressings—			
Surgical bandages and dressings.....			*
Surgical belts.....	doz.	8,120	805,051
Surgical stockings, elastic.....	"	6,734	119,552
Orthopaedic corsets.....	pr.	715	7,090
Artificial limbs.....	No.	1,377	186,521
Foot eazers, arch supports, knee caps, etc.....	—	—	314,911
Trusses.....	No.	53,954	201,125
Other surgical supports.....	—	—	532,042
Surgical instruments and orthopaedic appliances, not specified.....	—	—	552,988
Suspenders, supporters, and garters.....	—	—	2,232,953
Swathers.....	No.	6,560	2,309,871
Sweaters, jackets, etc.....	doz.	945,029	20,738,248

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1907 (Cont.)

Items	Unit of Measure	Quantity	Value
Sweeping compounds.....	—	—	\$ 252,550
Switch gear and protective equipment (except telephone switch boards).....	—	—	9,764,263
Switches, enclosed safety type.....	—	—	2,199,618
Synthetic and plastic products, n.e.s.....	—	—	13,445,721
Syringes, fountain, and attachments.....	doz.	35,806	129,157
Syrup, corn.....	—	—	*
Syrup and fruit juices, fountain.....	—	—	2,129,122
Syrup, maple (factory made).....	—	—	*
Syrups, table.....	gal.	51,199	96,562
Syrups from cane, (not incl. molasses).....	ton	1,759	695,531
Syrups for soft drinks (for sale).....	imp. gal.	2,453,020	4,369,815
Table cloths and napkins.....	—	—	581,057
Table cloths, plastic.....	—	—	149,485
Tableware, plastic.....	—	—	508,120
Tableware, pottery.....	—	—	*
Tacks, cut wire.....	—	—	911,266
Tags and labels, shipping.....	—	—	12,687,525
Tags and tickets, printed.....	—	—	2,168,383
Tags, not specified.....	—	—	19,648
Tailors' supplies, n.e.s.....	—	—	3,777,863
Tallow.....	—	—	7,697,733
Tankage, animal, wet (See also, "Cracklings").....	lb.	15,179,107	266,038
Tanks, steel, storage, black, galvanized, etc.....	—	—	7,381,991
Tanks, pressure, n.e.s.....	—	—	644,355
Tanks, steel, pneumatic.....	—	—	529,924
Tanks, steel, septic.....	—	—	229,045
Tanks, other, not specified.....	—	—	2,647,479
Tanners' bate.....	—	—	*
Tape, rubber and friction.....	lb.	2,117,078	1,133,763
Tape, paper, gummed.....	"	15,940,652	2,522,902
Tape, telegraph.....	—	—	*
Tapes, fabric.....	—	—	1,238,140
Tapes, measuring, steel, etc.....	—	—	*
Tapestries and other upholstering materials.....	yds.	3,142,758	4,591,100
Tapioca.....	—	—	*
Tar, coal and crude.....	imp. gal.	32,575,317	2,548,138
Tar, refined.....	"	3,557,346	406,100
Tar from petroleum refineries.....	—	—	*
Targets, clay.....	—	—	*
Tea, blended, etc.....	lb.	48,004,063	38,635,655
Telephone material.....	—	—	22,156,591
Tenoners and mortisers, wood-working.....	No.	95	45,089
Tents.....	—	—	789,619
Thermite.....	—	—	*
Thermometers, all kinds.....	—	—	*
Thickeners, mining and metallurgical.....	—	—	*
Thinners, pyroxylin.....	gal.	1,256,204	1,517,011
Thread, cotton.....	—	—	6,995,854
Thread, artificial silk, linen, etc. (See also "Yarn and Thread").....	—	—	252,400
Threading machines.....	No.	1,329	51,004
Threshers and reaper-threshers, combined.....	"	15,543	19,414,802
Ties, wooden.....	"	7,061,288	10,421,217
Tile, asphalt and other, n.s.....	M	19,725	2,382,378
Tile, drain (from domestic clay).....	—	—	846,855
Tile, floor (from domestic clay).....	—	—	56,815
Tile, floor and wall (from imported clay).....	—	—	*
Tile, roofing, and hollow blocks.....	—	—	2,460,329
Tiling, rubber.....	lb.	173,936	79,542
Tin alloys.....	"	15,559	9,167
Tin.....	"	99,555	67,013
Tinned plate and scrap.....	ton	9,199	86,471
Tinsel garlands and ribbons.....	—	—	235,966
Tinware, japanned or not.....	—	—	585,558
Tire braids, auto.....	—	—	*
Tire fabrics.....	lb.	24,836,912	15,526,741
Tires and tubes—	No.	4,812,898	91,789,002
Balloon, casings.....	"	33,853	277,262
High pressure, casings.....	"	4,359,083	10,570,461
High pressure and balloon inner tubes.....	"	1,699,902	1,396,806
Bicycle tubes and tires.....	"	418	31,274
Aeroplane tires.....			

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Tires and tubes— <i>Concluded</i>			\$
Aeroplane tubes	No.	610	5,693
Motorcycle tires	"	23,296	179,359
Tires, implement and tractor	"	489,676	8,350,895
Tires, rubber, not specified	"	—	503,305
Tires, rebuilt	"	—	*
Tires, railway car	"	—	*
Tissues, cleansing	"	—	*
Toasters, electric	"	—	1,225,525
Tobacco—			
Chewing, cut and twist	lb.	197,456	312,419
Chewing, plug	"	2,184,789	3,291,720
Smoking, leaf	"	163,771	117,550
Smoking, cut	"	24,899,583	42,318,048
Smoking, plug	"	340,685	532,383
Snuff	"	977,700	2,074,361
Stems and cuttings	"	—	7,213
Tobacco, raw leaf, processed	lb.	120,092,223	54,514,489
Tobacco curing equipment	"	—	*
Tobacco pouches	"	—	58,174
Toboggans	"	—	172,166
Toilet preparations, not elsewhere specified—			
Bath salts and bath oils	"	—	357,807
Brillantine, solid	"	—	17,280
Compacts and lipsticks	"	—	1,062,482
Creams, solid or liquid, all kinds	"	—	2,225,054
Shampoos and hair rinses	"	—	1,506,199
Bay rum, hair tonics, brilliantine, liquid	"	—	1,374,181
Toilet water and lotions	"	—	3,504,029
All other	"	—	3,706,832
Toilets, chemical	"	—	*
Toiletware, plastic	"	—	209,484
Toiletware, silver	"	—	442,197
Toluene	"	—	*
Tomato, cats-up, canned	lb.	4,374,856	461,436
Tomato cats-up, other	"	24,385,270	5,091,648
Tomato juice	"	91,702,698	5,852,570
Tomato paste and puree	"	17,819,504	1,892,428
Tomato pulp	"	4,871,550	269,179
Tools, carpenters' and mechanics', other than files	"	—	3,628,095
Tools, machine, n.e.s.	"	—	2,193,136
Tools, small, cutting	"	—	2,021,843
Tools, not elsewhere specified	"	—	4,820,469
Toothpicks	"	—	*
Toppings, for ice cream and cake	"	—	696,547
Tow, green	lb.	11,859,175	749,752
Towels and towelling—			
Towelling	yd.	3,812,264	867,046
Bath mats and sets	doz.	25,185	230,586
Towels, all kinds	"	1,456,325	4,885,219
Face cloths	"	718,922	755,922
Towels, sanitary, all kinds	"	—	5,505,357
Towels, paper	cases	426,871	1,405,700
Toys—			
Metal	"	—	784,529
Wooden	"	—	712,025
Toy vehicles including doll carriages	"	—	310,999
Miscellaneous, not specified, including model aeroplanes	"	—	3,536,104
Tractors	"	—	7,340,799
Trade work, n.e.s. (printing plants)	"	—	1,432,315
Transfers, paper, decalcomania	"	—	1,187,438
Transfers, paper, dry	"	—	110,606
Transformers	"	—	20,438,847
Transformer parts	"	—	569,163
Transmission towers, electric (see "Steel shapes")	lb.	1,498,075	430,869
Traps and fittings, lead	"	—	*
Traps, mouse and rat	"	—	*
Traps, other	"	—	40,328
Trays, display and other	"	—	*
Trichlorethylene, refined	"	—	40,328
Trimmings, not specified	"	—	828,950
Trophies	"	—	169,632
Trucks, factory, and other hand trucks	"	—	1,369,989

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947. -Con.

Items	Unit of Measure	Quantity	Value
Trucks and bodies, farm.....	—	—	168,848
Trunks, all kinds.....	No.	144,971	1,046,659
Tubes, collapsible.....	—	—	1,342,795
Tubes, vacuum, X-ray tubes.....	—	—	—
Tubing, brass, bronze, and aluminum.....	—	—	2,542,788
Tubing, Neon.....	lb.	302,197	163,988
Tubing, rubber.....	lb.	—	8,258,066
Tubing, steel.....	lb.	362,999	426,068
Tubing and wristing, knitted.....	lb.	—	—
Tubs, laundry, cement.....	No.	10,796	117,490
Turbines and water wheels.....	—	—	1,986,945
Turpentine.....	—	—	—
Twine and cordage—			\$
Binder twine, all sisal and chiefly sisal.....	lb.	65,279,450	8,758,981
Other twine, all hemp and all flax.....	"	228,738	157,148
Other twine, all jute.....	"	4,626,395	1,625,685
Other twine, all sisal.....	"	5,076,972	1,193,434
Other twine and cordage, not specified.....	—	—	3,981,522
Type and type metal.....	lb.	7,761,868	1,376,819
Typeetting (trade composition).....	—	—	2,901,495
Typewriter ribbons.....	doz.	229,927	816,317
Typewriters.....	No.	74,286	5,546,448
Typewriter supplies, n.e.s.....	—	—	40,393
Umbrellas.....	doz.	33,878	1,212,229
Undertakers' supplies, not specified.....	—	—	267,727
Underwear—			
Cotton and cotton mixtures, separate, knitted—			
Fleece—Men's.....	doz.	76,002	782,336
Women's.....	"	48,416	335,848
Children's.....	"	76,663	—
Summer ribs—Men's.....	"	323,414	1,868,037
Women's.....	"	86,753	412,173
Children's.....	"	119,848	420,988
Winter ribs—Men's.....	"	107,634	1,200,598
Women's.....	"	188,149	1,035,361
Children's.....	"	232,811	904,022
Balbriggans—Men's.....	"	49,527	324,242
Women's.....	"	79,856	392,129
Children's.....	"	61,357	164,196
Cotton and cotton mixtures, combination, knitted—			
Fleece—Men's.....	"	60,637	1,144,731
Women's.....	"	37	1,320
Children's.....	"	29,691	359,641
Summer ribs—Men's.....	"	50,646	117,281
Women's.....	"	—	—
Children's.....	"	6,952	49,270
Winter ribs—Men's.....	"	88,119	1,844,084
Women's.....	"	1,734	24,397
Children's.....	"	47,111	484,661
Balbriggans—Men's.....	"	61,858	681,676
Women's.....	"	24	800
Children's.....	"	16,534	99,795
Silk, artificial silk and mixtures, knitted—			
Combination—Men's.....	"	5,780	56,150
Women's.....	"	—	—
Separate, Men's.....	"	9,895	104,473
Women's.....	"	377,098	2,241,591
Children's.....	"	12,699	54,833
All wool, combination, knitted—			
Men's.....	"	73,977	2,126,805
Women's and children's.....	"	10,940	136,771
Wool mixtures, combination, knitted—			
Men's.....	"	48,372	1,589,018
Women's and children's.....	"	8,008	143,964
All wool, separate, knitted—			
Men's.....	"	35,121	790,918
Women's.....	"	8,531	101,070
Children's.....	"	1,033	27,811
Wool mixture, separate, knitted—			
Men's.....	"	22,839	377,415
Women's.....	"	70,397	927,474
Children's.....	"	45,146	406,208

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
			\$
Underwear—Concluded			
Knitted, not specified—			
Men's and youths'.....	doz.	3,479	38,683
Women's and misses'.....	"	494,287	2,363,813
Children's.....	"	230,214	854,675
Shorts, woven and flat.....	"	139,484	1,097,433
Woven, not specified—			
Women's and misses'.....	"	178,117	1,500,355
Children's.....	"	74,358	250,561
Not specified.....	"	19,307	152,803
Underslips—			
Artificial silk.....	"	308,023	4,926,643
Artificial silk and mixtures.....	"	106,425	1,808,589
Cotton.....	"	45,680	420,023
Not specified.....	"	119,994	1,936,656
Uniforms, woollen—	No.	104,876	2,258,942
Cotton, nurses', maids, etc.....	—	—	1,268,038
Upholstering materials, (See tapestries)			
 Valves, brass and bronze.....	—	—	4,723,072
Valves, iron.....	—	—	2,336,127
Valves, steel.....	—	—	1,192,802
Valves, tire.....	—	—	*
Valves, not specified.....	—	—	394,935
Varnishes.....	—	—	7,705,677
Vaults, burial, cement and other.....	—	—	151,510
Vegetables, canned—			
Asparagus.....	lb.	4,228,940	982,005
Beans, baked.....	"	90,904,428	8,551,866
Beans, green or wax.....	"	40,132,736	3,516,480
Beans, lima.....	"	4,659,747	483,207
Beets.....	"	2,857,299	257,691
Carrots.....	"	1,151,582	60,989
Carrots and peas.....	"	5,321,452	542,726
Corn, cream of, whole grain, etc.....	"	41,101,118	4,598,995
Mushrooms.....	"	469,756	177,059
Peas.....	"	87,657,871	8,572,401
Pumpkin.....	"	7,991,956	458,163
Spinach.....	"	1,142,410	105,484
Tomatoes.....	"	61,009,329	5,851,779
Vegetables, mixed.....	"	7,807,425	659,965
Vegetables, other.....	"	3,291,074	340,772
Vegetables, evaporated and dehydrated.....	"	303,567	159,517
Vegetables, in brine.....	"	2,657,204	174,091
Vegetables, frozen or cold pack.....	"	6,521,706	1,087,347
Vegetable juices, canned.....	—	—	*
Vegetable peels and slicers.....	—	—	*
Vehicles, children's—			
Vehicles, farm.....	—	—	3,106,613
Veils and veiling.....	—	—	559,184
Velvets.....	—	—	*
Veneer.....	—	—	7,620,380
Veneer logs.....	M.ft. b.m.	21,533	1,091,479
Veneers on lumber cores.....	—	—	*
Ventilators.....	—	—	1,447,066
Vests, woollen.....	No.	34,099	243,204
Vests, other.....	"	4,151	21,115
Vinegar—			
Spirit.....	imp. gal.	5,456,064	2,545,087
Cider.....	"	530,887	240,084
Malt.....	"	614,422	335,939
 Waffle irons.....	No.	27,204	147,372
Wagons (see "Carriages and wagons").....	sq. ft.	213,701,430	6,210,912
Wall board, gypsum.....	—	—	1,738,283
Wall plaster, gypsum.....	—	—	524,247
Wall plaster, other.....	—	—	509,732
Wardrobes, wall board.....	No.	180,900	73,012
Washboards.....	doz.	1,394,371	103,591
Washers, leather.....	—	—	816,432
Washers and gaskets, iron, steel, etc.....			

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1917—Con.

Items	Unit of Measure	Quantity	Value
Washing compounds.....	—	—	\$ 573,451
Waste, cotton, wool and jute.....	—	—	4,985,206
Waste, wood.....	ton	103,930	373,694
Waste, other, not specified.....	—	—	395,405
Watches, watch cases, etc.....	—	—	1,944,093
Water, distilled.....	imp. gal.	159,774	30,962
Water, aerated.....	imp. gal.	69,413,261	48,115,917
Water, mineral, natural.....	"	602,729	94,526
Waterproofing of fabrics.....	—	—	267,565
Waterproofing preparations.....	—	—	*
Wax and wax compounds, all kinds.....	—	—	4,814,106
Wax, sealing.....	—	—	*
Weatherstrip.....	—	—	276,945
Weaving, custom.....	—	—	1,070,323
Webbing, elastic and non-elastic.....	—	—	2,543,794
Weeders.....	No.	2,992	258,193
Weed killer.....	—	—	1,052,233
Welding apparatus with control equipment and accessories.....	—	—	2,328,684
Welding compounds and fluxes.....	—	—	40,192
Welding rods and welding wires.....	—	—	1,274,560
Welting.....	yd.	13,073,817	1,030,125
Wheat germ.....	—	—	*
Wheelbarrows and parts.....	—	—	519,605
Wheels, automobile.....	—	—	*
Wheels, railway car.....	—	—	1
Wheels, not specified.....	—	—	1
Whey.....	—	—	1
Whips.....	No.	46,178	1
Whiskies (See "Spirits").....	doz.	53,294	1
Whisks.....	—	—	1
White, satin.....	—	—	1
Windmills.....	—	—	1
Wine, sold during the year.....	gal.	4,976,060	10,111,000
Wine, produced and placed in storage for maturing.....	"	6,088,004	4,280,000
Wine, not specified.....	—	—	1
Wine, spirits.....	lb.	11,285,683	1
Wiping cloths and rags, washed and sterilized.....	—	—	1
Wiping cloths and rags, other.....	—	—	1
Wire, barbed—			
Quantity made.....	ton	10,555	1,106,111
Quantity sold.....	"	10,382	1,106,111
Wire, cold rolled, flat, all sizes—			
Quantity made.....	"	1,707	192,3
Quantity sold.....	"	1,048	192,3
Wire, galvanized—			
Quantity made.....	"	65,205	3,017,452
Quantity sold.....	"	26,631	3,017,452
Wire, plain—			
Quantity made.....	"	238,301	5,417,045
Quantity sold.....	"	56,482	5,417,045
Wire, iron and steel, other, coated—			
Quantity made.....	"	4,72	343,236
Quantity sold.....	"	2,873	343,236
Wire, strand, twisted—			
Quantity made.....	"	2,186	480,464
Quantity sold.....	"	2,160	78,126,740
Wire and cables, electrical.....	—	—	8,099,785
Wire rope and cable, not specified.....	—	—	5,649
Wire, brass and copper.....	—	—	968,526
Wire, gold filled and alloys.....	—	—	3,237,958
Wire cloth, brass and bronze.....	sq. ft.	4,259,511	2,465,124
Wire cloth, iron and steel, including screen cloth.....	—	—	1
Wire cloth, monel metal.....	ton	8,649	1,233,867
Wire mesh, steel, woven, welded, etc.....	—	—	3,327,652
Wire goods, not specified.....	—	—	9,994,239
Wiring devices, not elsewhere specified.....	—	—	2,530,911
Wooden products, not specified.....	—	—	17,838
Wood flour.....	ton	794	65,047
Woodenware, kitchen.....	—	—	153,213
Woodenware, not specified.....	—	—	*
Wood preservation.....	—	—	303,919
Wood preservatives.....	—	—	711,467
Wood turning, not specified.....	—	—	1

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947—Con.

Items	Unit of Measure	Quantity	Value
Woodwork, sanitary and other			\$ 428,949
Wool, raw and unmanufactured	lb.	12,635,517	5,525,036
Woollen cloth, woven—			
All wool, woollen	yd.	16,956,615	32,021,541
All wool, worsted	"	5,696,485	16,107,195
Woollen and worsted, mixed	"	1,114,719	2,421,266
Cotton warp, worsted	"	52,124	114,342
Cotton warp, woollen	"	1,241,356	1,075,050
Other woollen and mixtures	"	2,757,414	4,359,013
Woven goods, not specified	—	—	756,155
Wrappers, waxed (see "Paper, waxed")	—	—	
Wrappers, paper, other than waxed	—	—	1,294,002
Wrappers, printed	—	—	2,991,291
Wringers, clothes	No.	106,847	830,463
Xylenols, high boiling	—	—	*
Yarns, spun for sale—			
Cotton—			
Grey, knitting	lb.	17,377,042	10,722,724
Grey, weaving, singles	"	8,075,695	4,727,724
Grey, weaving, plied	"	8,820,200	5,602,419
Bleached, knitting	"	246,445	203,178
Bleached, other	"	187,404	140,167
Coloured, knitting	"	3,047,039	2,452,948
Coloured, other	"	1,828,621	1,266,677
Other	"	1,793,453	1,317,772
Cotton and wool mixed—			
Grey	"	470,994	438,204
Other	"	1,448,495	807,003
Silk and mixtures			
Artificial silk or nylon singles	"	135,654	89,093
Artificial silk, thrown	"	16,952,277	16,451,635
Nylon, thrown	"	3,098,645	3,111,420
Spun rayon and mixtures	"	1,030,137	3,482,861
Woollen—			
Hand knitting	"	936,172	1,556,920
Machine knitting	"	4,546,038	3,122,853
Weaving	"	2,097,035	1,445,905
Carpet	"	1,018,220	616,027
Worsted, oil spun—			
Hand knitting	"	3,677,426	7,785,815
Machine knitting	"	6,197,190	10,296,539
Weaving	"	727,170	1,163,856
Carpet	"	232,861	248,818
Worsted, dry spun—			
Knitting	—	—	1,803,990
Worsted, not specified	lb.	651,397	1,274,374
Yarns, not specified	"	760,972	689,384
Yeast, dry	"	2,555,160	1,214,683
Yeast, fresh (for sale)	"	20,218,461	3,900,390
Yeast, made for own use in breweries	"	2,501,011	—
Yeast food, bread improver, etc.	"	5,330,873	571,788
Yoghourt	gal.	226	506
Zinc, refined, zinc alloys, etc.	lb.	7,623,389	1,008,149
Zinc chloride	—	—	*
Zinc naphthenate	—	—	*
Zinc oxide and zinc dust	—	—	*
Zinc white, ground in oil	—	—	*
Zinc products, not specified	—	—	113,789
Manufactured food products, packaged only	lb.	12,504,325	2,246,050
Amount received by clothing contractors	—	—	10,051,542
Inter-company transfers	—	—	4,462,132

Note.—The asterisk indicates that the commodity was reported by only one or two concerns.

Alphabetical List of Products Manufactured in Canada, 1947 -Conc.

Items	Unit of Measure	Quantity	Value
All other products not specified—			\$
Vegetable products group.....	—	—	2,391,196
Animal products group.....	—	—	4,760,616
Textile products group.....	—	—	2,683,702
Wood and paper products group.....	—	—	5,190,734
Iron and steel products group.....	—	—	86,748,165
Non-ferrous metal products group.....	—	—	18,207,830
Non-metallic mineral products group.....	—	—	9,948,074
Chemicals and chemical products group.....	—	—	9,071,741
Miscellaneous products group.....	—	—	2,840,781
Custom work and repairs—			
Vegetable products group.....	—	—	679,293
Animal products group.....	—	—	1,385,453
Textile products group.....	—	—	5,870,939
Wood and paper products group.....	—	—	6,855,559
Iron and steel products group.....	—	—	111,653,447
Non-ferrous metal products group.....	—	—	3,865,141
Non-metallic mineral products group.....	—	—	286,582
Miscellaneous products group.....	—	—	8,275,308
Products which were reported by only one or two firms and for which figures cannot be shown separately.....	—	—	384,000,054
Total value of products listed.....	—	—	10,389,250,528
Adjustments due to valuation of intermediate products, excise taxes, etc.....	—	—	308,223,948
Total.....	—	—	10,081,026,580

NOTE.—The asterisk indicates that the commodity was reported by only one or two concerns.

† Footnote for page 136: Does not include fabrics dyed or bleached by firms maintaining a dyeing and finishing department of their own.

CANADA

LIST OF PUBLICATIONS, CENSUS OF MANUFACTURES; 1947.

- (1) General—General Report on the Manufacturing Industries of Canada with appendix giving Alphabetical List of Products, Geographical Distribution of the Manufacturing Industries of Canada; also Reports for the Provinces and Leading Cities; Quantity of Manufacturing Production in Canada, 1923-29. Weekly Earnings of Male and Female Wage-Earners in the Manufacturing Industries of Canada. Monthly Report on Inventories.
- (2) Manufactures of Vegetable Products—Biennial General Report on Manufactures of Vegetable Products. Annual Bulletins as follows: (a) Coffee, Tea, Spices and Miscellaneous Foods; (b) Fruit and Vegetable Preparations, including Canning, Evaporating and Preserving, and Pickles, Sauces, Vinegar and Cider; (c) Flour and Feed Mill Products; (d) Bread and other Bakery Products; (e) Biscuits; (f) Confectionery, including Cocoa and Chocolate; (g) Macaroni, Vermicelli, etc.; (h) Distilled Liquors; (i) Breweries; (j) Wine; (k) Rubber Goods, including Rubber Boots and Shoes; (l) Prepared Breakfast Foods; (m) Sugar Refineries; (n) Tobacco Products; (o) Vegetable Oil Mills; (p) Canned Foods; (q) Ice Cream; (r) Pack of Fruits and Vegetables, preliminary by completed packs; (s) Aerated Waters; (t) Stock and Poultry Feeds. Quarterly Reports: (a) Stocks of Unmanufactured Tobacco; (b) Stocks of Canned Fruits and Vegetables; (c) Processed Foods. Monthly Reports: (a) Production, Consumption and Inventories of Rubber; (b) Production of Rubber Footwear; (c) Shipments and Stocks of Prepared Stock and Poultry Feeds.
- (3) Animal Products and their Manufacture—Annual Reports and Bulletins as follows: (a) The Dairy Factory Industry; (b) Processed Cheese; (c) Fish Processing (contained in annual Fisheries Statistics); (d) Slaughtering and Meat Packing and Sausage and Sausage Casings; (e) Leather Tanneries; (f) Leather Belting, Boot and Shoe Findings and Miscellaneous Leather Goods; (g) Leather Boots and Shoes; (h) Leather Gloves and Mittens; (i) Fur Goods, Fur Dressing. Monthly Bulletin on Leather Footwear Production.
- (4) Textiles and Allied Industries—Biennial General Report on the Textile Industries of Canada. Annual Bulletins as follows: (a) Cotton Textiles (cloth, yarn, thread and waste); (b) Woollen Textiles (cloth, yarn, waste, carpets and woollen goods, n.e.s.); (c) Silk and Artificial Silk; (d) Men's Factory Clothing incl. Men's Furnishings; (e) Women's Factory Clothing; (f) Hats and Caps; (g) Hosiery and Knitted Goods; (h) Oiled and Waterproofed Clothing; (i) Cordage, Rope and Twine; (j) Corsets; (k) Cotton and Jute Bags; (l) Dyeing and Finishing of Textiles; (m) Awnings, Tents and Sails. Quarterly Report on the Production of Clothing.
- (5) Manufactures of Forestry Products—Annual Reports: (a) Lumber; (b) Pulp and Paper; (c) Wood-Using Industries; (d) Planing Mills and Sash and Door Factories; (e) Hardwood Flooring; (f) Furniture; (g) Veneers and Plywoods; (h) Printing Trades (comprising the following industries, Printing

and Publishing; Printing and Bookbinding; Photography; Engraving, Stereotyping and Electrotyping; Trade Computation and Blue Printing); (i) Paper Boxes and Bags; (j) Roofing Paper. Special annual bulletins: (a) Lumber (series of 10 provincial summaries); (b) Boxes and Baskets; (c) Carriages, Sleighs and Vehicle Supplies; (d) Coating; (e) Coffins and Caskets; (f) Boatbuilding; (g) Lasts, Trees and Woods; Shoe Findings; (h) Wood-turning; (i) Woodenware; (j) Excelsior; (k) Beekeepers' and Poultrymen's Supplies (l) Wooden Refrigerators; (m) Miscellaneous Wood-Using Industries; (n) Miscellaneous Paper Goods. Monthly Reports; (a) Production, Shipments and Stocks on Hand of Sawmills East of the Rockies; (b) Production, Shipments and Stocks on Hand of Sawmills in British Columbia. Monthly Bulletins: (a) Asphalt Roofing Production and Sales; (b) Rigid Insulating Board Production and Sales; (c) Asphalt Floor Tiles Production and Sales.

- (6) Iron and Steel and their Products—Biennial Report. Annual Bulletins as follows: Preliminary Summary on the Iron and Steel Industry. (a) Primary Iron and Steel; (b) Iron Castings; (c) Heating and Cooking Apparatus (except boilers and radiators); (d) Boilers, Tanks and Plate Work; (e) Farm Implements and Machinery; (f) Machinery; (g) Automobiles; (h) Automobile Parts; (i) Bicycles; (j) Railway Rolling Stock; (k) Wire and Wire Goods; (l) Sheet Metal Products; (m) Hardware, Tools and Cutlery; (n) Bridge Building and Structural Steel Work; (o) Shipbuilding and Ship Repairs; (p) Aircraft; (q) Miscellaneous Iron and Steel Products. Commodity Bulletins on Washing Machines; Cream Separators; Warm Air Furnaces; Stoves, etc. Monthly Bulletins: (a) Pig Iron, Steel Ingots and Castings; (b) Steel Ingots; (c) Motor Vehicle Shipments; (d) Domestic Washing Machines; (e) Wire Nails; (f) Steel Wire; (g) Wire Fencing; (h) Primary Iron and Steel.
- (7) Manufactures of Non-Ferrous Metals—Biennial Report. Annual Bulletins as follows: Preliminary Summary on Manufactures of Non-Ferrous Metals. (a) Aluminium Products; (b) Brass and Copper Products; (c) White Metal Alloys; (d) Jewellery and Silverware; (e) Electrical Apparatus and Supplies; (f) Non-Ferrous Metal Smelting and Refining; (g) Miscellaneous Non-Ferrous Metal Goods. Monthly Reports on: (a) Sales of Radio Sets; (b) Sales of Storage Batteries; (c) Domestic Electric Refrigerators; (d) Dealers' Report on Non-Ferrous Scrap Metal; (e) Ingot Makers' Monthly Report. Commodity Bulletins on the Production of Vacuum Cleaners; Specified Electrical Appliances and Domestic Electric Refrigerators.
- (8) Manufactures of the Non-metallic Minerals—Biennial Report. Annual Bulletins as follows: Preliminary Summary on Manufactures of Non-Metallic Minerals: (a) Asbestos Products; (b) Cement; (c) Cement Products; (d) Coke and Gas; (e) Glass Products; (f) Lime; (g) Petroleum Products; (h) Clay Products; (i) Salt; (j) Sand-lime Brick; (k) Stone; (l) Artificial Abrasives; (m) Gypsum and Gypsum Products; (n) Miscellaneous Non-Metallic Mineral Products, including Carbon Electrodes—Mica Products—Non-Metallic Minerals, n.e.s. Also Special Reports on: (a) The Consumption of Coke in Canada; (b) Consumption of Petroleum Fuels in Canada; (c) Sales of Lubricating Oils in Canada. Monthly bulletins on: (a) Coal and Coke Statistics; (b) Sales of Manufactured and Natural Gas; (c) Rock Wool Sales; (d) Gypsum Products; (e) Concrete Blocks and Concrete Pipe; (f) Refined Petroleum Products.

- (9) Chemicals and Allied Products—Biennial Report. Annual Bulletins as follows: Preliminary Summary on Chemicals and Allied Products: (a) Coal Tar Distillation; (b) Acids, Alkalies and Salts; (c) Compressed Gases; (d) Fertilizers; (e) Medicinal and Pharmaceutical Preparations; (f) Paints and Varnishes; (g) Soaps, Cleaning Preparations and Washing Compounds; (h) Toilet Preparations; (i) Inks; (j) Adhesives; (k) Polishes and Dressings; (l) Primary Plastics; (m) Miscellaneous Chemical Products, including Boiler Compounds; Insecticides; Sweeping Compounds; Hardwood Distillation; Disinfectants; Matches; Dyes and Colours; Explosives, ammunition and fireworks; Chemical Products, n.e.s. Special Reports on the Fertilizer Trade in Canada. Monthly Report on Sales of Paints, Varnishes and Lacquers. Commodity Bulletins on Sulphuric Acid, Ammonium Sulphate, etc. Special Report—Directory of Chemical Industries in Canada. Special Report on the Consumption of Chemicals in Municipal Waterworks. Special Report on Sales of Pest Control Products.
- (10) Miscellaneous Manufactures—General Report. Annual Bulletins as follows: (a) Brooms, Brushes and Mops; (b) Musical Instruments (including pianos, organs and phonographs) and Musical Instrument Materials and Parts; (c) Buttons; (d) Bed Springs and Mattresses; (e) Sporting Goods.

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